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12	Foreign Reference	EP0537572B1.pdf	788675 718e9757144d2e01501eea38cb1ef1bf6b6cafee	no	14
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13	Foreign Reference	EP0541987B1.pdf	2232827 8bff56d6659024a71f3583840a067ca05ce69587	no	34
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<b>Total Files Size (in bytes):</b>				69354991	
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				Application Number	13/369,609
				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
Attorney Docket Number	END5924USCNT2/060339CON2				
Sheet	1	of	82		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		European Examination Report, Application No. 08250100.8, dated February 19, 2009 (4 pages).	
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		European Search Report for Application No. 12173458.6, dated December 6, 2012 (8 pages).	

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		Number - Kind Code <sup>2</sup> (if known)			
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Examiner Name	Brian D. Nash				
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				Examiner Name	Brian D. Nash
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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
		4,434,796		03-06-1984	Karapetian et al.	
		4,442,964		04-17-1984	Becht	
		4,451,743		05-29-1984	Suzuki et al.	
		4,454,887		06-19-1984	Krüger	
		4,467,805		08-28-1984	Fukuda	
		4,475,679		10-09-1984	Fleury, Jr.	
		4,485,816		12-04-1984	Krumme	
		4,489,875		12-25-1984	Crawford et al.	
		4,500,024		02-19-1985	DiGiovanni et al.	
		4,505,273		03-19-1985	Braun et al.	
		4,505,414		03-19-1985	Filipi	
		4,506,671		03-26-1985	Green	
		4,520,817		06-04-1985	Green	
		4,522,327		06-11-1985	Korthoff et al.	
		4,526,174		07-02-1985	Froehlich	
		4,527,724		07-09-1985	Chow et al.	
		4,530,453		07-23-1985	Green	
		4,548,202		10-22-1985	Duncan	
		4,565,189		01-21-1986	Mabuchi	
		4,566,620		01-28-1986	Green et al.	
		4,573,469		03-04-1986	Golden et al.	
		4,573,622		03-04-1986	Green et al.	
		4,576,167		03-18-1986	Noiles et al.	
		4,580,712		04-08-1986	Green	
		4,589,416		05-20-1986	Green	
		4,591,085		05-27-1986	Di Giovanni	
		4,604,786		08-12-1986	Howie, Jr.	
		4,605,001		08-12-1986	Rothfuss et al.	
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		4,606,343		08-19-1986	Conta et al.	
		4,607,638		08-26-1986	Crainich	

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				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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U.S. PATENT DOCUMENTS						
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		Number - Kind Code <sup>2</sup> (if known)				
		4,608,981		09-02-1986	Rothfuss et al.	
		4,610,250		09-09-1986	Green	
		4,610,383		09-19-1986	Rothfuss et al.	
		4,619,262		10-28-1986	Taylor	
		4,629,107		12-16-1986	Fedotov et al.	
		4,632,290		12-30-1986	Green et al.	
		4,633,874		01-06-1987	Chow et al.	
		4,641,076		02-03-1987	Linden	
		4,646,722		03-03-1987	Silverstein et al.	
		4,655,222		04-07-1987	Florez et al.	
		4,663,874		05-12-1987	Sano et al.	
		4,664,305		05-12-1987	Blake, III et al.	
		4,665,916		05-19-1987	Green	
		4,667,674		05-26-1987	Korthoff et al.	
		4,671,445		06-09-1987	Barker et al.	
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		4,693,248		09-15-1987	Failla	
		4,709,120		11-24-1987	Pearson	
		4,715,520		12-29-1987	Roehr, Jr. et al.	
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		4,777,780		10-18-1988	Holzwarth	
		4,787,387		11-29-1988	Burbank, III et al.	
		4,790,225		12-13-1988	Moody et al.	
		4,805,617		02-21-1989	Bedi et al.	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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U.S. PATENT DOCUMENTS						
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		Number - Kind Code <sup>2</sup> (if known)				
		4,805,823		02-21-1989	Rothfuss	
		4,809,695		03-07-1989	Gwathmey et al.	
		4,817,847		04-04-1989	Redtenbacher et al.	
		4,819,853		04-11-1989	Green	
		4,821,939		04-18-1989	Green	
		4,827,911		05-09-1989	Broadwin et al.	
		4,844,068		07-04-1989	Arata et al.	
		4,869,414		09-26-1989	Green et al.	
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		4,880,015		11-14-1989	Nierman	
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		4,915,100		04-10-1990	Green	
		4,930,503		06-05-1990	Pruitt	
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		4,941,623		07-17-1990	Pruitt	
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		4,986,808		01-22-1991	Broadwin et al.	
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		5,042,707		08-27-1991	Taheri	
		5,061,269		10-29-1991	Muller	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		Number - Kind Code <sup>2</sup> (if known)				
		5,062,563		11-05-1991	Green et al.	
		5,065,929		11-19-1991	Schulze et al.	
		5,071,052		12-10-1991	Rodak et al.	
		5,071,430		12-10-1991	de Salis et al.	
		5,074,454		12-24-1991	Peters	
		5,080,556		01-14-1992	Carreno	
		5,083,695		01-28-1992	Foslén et al.	
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		5,139,513		08-18-1992	Segato	
		5,141,144		08-25-1992	Foslén et al.	
		5,156,315		10-20-1992	Green et al.	
		5,156,614		10-20-1992	Green et al.	
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		5,163,598		11-17-1992	Peters et al.	
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		5,197,648		03-30-1993	Gingold	
		5,200,280		04-06-1993	Karasa	

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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		Number - Kind Code <sup>2</sup> (if known)				
		5,205,459		04-27-1993	Brinkerhoff et al.	
		5,207,697		05-04-1993	Carusillo et al.	
		5,209,747		05-11-1993	Knoepfler	
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		5,217,457		06-08-1993	Delahueriga et al.	
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		5,240,163		08-31-1993	Stein et al.	
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		5,244,462		09-14-1993	Delahueriga et al.	
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		5,253,793		10-19-1993	Green et al.	
		5,258,009		11-02-1993	Connors	
		5,258,012		11-02-1993	Luscombe et al.	
		5,259,366		11-09-1993	Reydel et al.	
		5,260,637		11-09-1993	Pizzi	
		5,263,629		11-23-1993	Trumbull et al.	
		5,263,973		11-23-1993	Cook	
		5,268,622		12-07-1993	Philipp	
		5,271,543		12-21-1993	Grant et al.	
		5,271,544		12-21-1993	Fox et al.	

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		5,275,323		01-04-1994	Schulze et al.	
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		5,281,216		01-25-1994	Klicek	
		5,282,806		02-01-1994	Haber et al.	
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		5,297,714		03-29-1994	Kramer	
		5,304,204		04-19-1994	Bregen	
		5,307,976		05-03-1994	Olson et al.	
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		5,339,799		08-23-1994	Kami et al.	
		5,341,724		08-30-1994	Vatel	
		5,341,810		08-30-1994	Dardel	
		5,342,395		08-30-1994	Jarrett et al.	
		5,342,396		08-30-1994	Cook	
		5,344,060		09-06-1994	Gravener et al.	
		5,350,400		09-27-1994	Esposito et al.	
		5,352,235		10-04-1994	Koros et al.	
		5,352,238		10-04-1994	Green et al.	
		5,354,303		10-11-1994	Spaeth et al.	
		5,356,006		10-18-1994	Alpern et al.	
		5,358,510		10-25-1994	Luscombe et al.	

Examiner Signature		Date Considered	
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				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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<i>(use as many sheets as necessary)</i>					

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
		5,359,231		10-25-1994	Flowers et al.	
		5,360,428		11-01-1994	Hutchinson, Jr.	
		5,364,003		11-15-1994	Williamson, IV	
		5,366,134		11-22-1994	Green et al.	
		5,366,479		11-22-1994	McGarry et al.	
		5,368,015		11-29-1994	Wilk	
		5,370,645		12-06-1994	Klicek et al.	
		5,372,596		12-13-1994	Klicek et al.	
		5,372,602		12-13-1994	Burke	
		5,374,277		12-20-1994	Hassler	
		5,379,933		01-10-1995	Green et al.	
		5,381,782		01-17-1995	DeLaRama et al.	
		5,382,247		01-17-1995	Cimino et al.	
		5,383,880		01-24-1995	Hooven	
		5,383,881		01-24-1995	Green et al.	
		5,383,888		01-24-1995	Zvenyatsky et al.	
		5,383,895		01-24-1995	Holmes et al.	
		5,389,098		02-14-1995	Tsuruta et al.	
		5,391,180		02-21-1995	Tovey et al.	
		5,392,979		02-28-1995	Green et al.	
		5,395,030		03-07-1995	Kuramoto et al.	
		5,395,033		03-07-1995	Byrne et al.	
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		5,397,046		03-14-1995	Savage et al.	
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		5,403,312		04-04-1995	Yates et al.	
		5,405,072		04-11-1995	Zlock et al.	
		5,405,344		04-11-1995	Williamson et al.	
		5,407,293		04-18-1995	Crainich	
		5,409,498		04-25-1995	Braddock et al.	
		5,411,508		05-02-1995	Bessler et al.	

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				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		Number - Kind Code <sup>2</sup> (if known)				
		5,413,267		05-09-1995	Solyntjes et al.	
		5,413,268		05-09-1995	Green et al.	
		5,413,272		05-09-1995	Green et al.	
		5,415,334		05-16-1995	Williamson, IV et al.	
		5,415,335		05-16-1995	Knodell, Jr.	
		5,417,361		05-23-1995	Williamson, IV	
		5,421,829		06-06-1995	Olichney et al.	
		5,422,567		06-06-1995	Matsunaga	
		5,423,809		06-13-1995	Klicek	
		5,425,745		06-20-1995	Green et al.	
		5,431,322		07-11-1995	Green et al.	
		5,431,668		07-11-1995	Burbank, III et al.	
		5,433,721		07-18-1995	Hoooven et al.	
		5,438,302		08-01-1995	Goble	
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		5,441,494		08-15-1995	Ortiz	
		5,445,304		08-29-1995	Plyley et al.	
		5,445,644		08-29-1995	Pietrafitta et al.	
		5,447,417		09-05-1995	Kuhl et al.	
		5,447,513		09-05-1995	Davison et al.	
		5,449,355		09-12-1995	Rhum et al.	
		5,449,365		09-12-1995	Green et al.	
		5,452,836		09-26-1995	Huitema et al.	
		5,452,837		09-26-1995	Williamson, IV et al.	
		5,454,827		10-03-1995	Aust et al.	
		5,456,401		10-10-1995	Green et al.	
		5,458,579		10-17-1995	Chodorow et al.	
		5,462,215		10-31-1995	Viola et al.	
		5,464,300		11-07-1995	Crainich	
		5,465,894		11-14-1995	Clark et al.	

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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		Number - Kind Code <sup>2</sup> (if known)				
		5,465,896		11-14-1995	Allen et al.	
		5,466,020		11-14-1995	Page et al.	
		5,467,911		11-21-1995	Tsuruta et al.	
		5,470,006		11-28-1995	Rodak	
		5,470,007		11-28-1995	Plyley et al.	
		5,470,009		11-28-1995	Rodak	
		5,472,132		12-05-1995	Savage et al.	
		5,472,442		12-05-1995	Klicek	
		5,473,204		12-05-1995	Temple	
		5,474,057		12-12-1995	Makower et al.	
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		5,476,479		12-19-1995	Green et al.	
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		5,480,089		01-02-1996	Blewett	
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		5,482,197		01-09-1996	Green et al.	
		5,484,095		01-16-1996	Green et al.	
		5,484,398		01-16-1996	Stoddard	
		5,484,451		01-16-1996	Akopov et al.	
		5,485,947		01-23-1996	Olson et al.	
		5,485,952		01-23-1996	Fontayne	
		5,487,499		01-30-1996	Sorrentino et al.	
		5,487,500		01-30-1996	Knodel et al.	
		5,489,058		02-06-1996	Plyley et al.	
		5,489,256		02-06-1996	Adair	
		5,496,312		03-05-1996	Klicek	
		5,496,317		03-05-1996	Goble et al.	
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		5,503,320		04-02-1996	Webster et al.	

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				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		5,503,635		04-02-1996	Sauer et al.	
		5,503,638		04-02-1996	Cooper et al.	
		5,505,363		04-09-1996	Green et al.	
		5,507,426		04-16-1996	Young et al.	
		5,509,596		04-23-1996	Green et al.	
		5,509,916		04-23-1996	Taylor	
		5,511,564		04-30-1996	Wilk	
		5,514,129		05-07-1996	Smith	
		5,514,157		05-07-1996	Nicholas et al.	
		5,518,163		05-21-1996	Hooven	
		5,518,164		05-21-1996	Hooven	
		5,520,678		05-28-1996	Heckele et al.	
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		5,522,817		06-04-1996	Sander et al.	
		5,527,320		06-18-1996	Carruthers et al.	
		5,529,235		06-25-1996	Boiarski et al.	
		5,531,744		07-02-1996	Nardella et al.	
		5,533,521		07-09-1996	Granger	
		5,533,581		07-09-1996	Barth et al.	
		5,533,661		07-09-1996	Main et al.	
		5,535,934		07-16-1996	Boiarski et al.	
		5,535,935		07-16-1996	Vidal et al.	
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		5,540,375		07-30-1996	Bolanos et al.	
		5,541,376		07-30-1996	Ladtchow et al.	
		5,542,594		08-06-1996	McKean et al.	
		5,543,119		08-06-1996	Sutter et al.	
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		5,549,621		08-27-1996	Bessler et al.	
		5,549,628		08-27-1996	Cooper et al.	
		5,549,637		08-27-1996	Crainich	

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		5,553,675		09-10-1996	Pitzen et al.	
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		5,556,416		09-17-1996	Clark et al.	
		5,558,665		09-24-1996	Kieturakis	
		5,558,671		09-24-1996	Yates	
		5,560,530		10-01-1996	Bolanos et al.	
		5,560,532		10-01-1996	DeFonzo et al.	
		5,562,239		10-08-1996	Boiarski et al.	
		5,562,241		10-08-1996	Knodel et al.	
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		5,564,615		10-15-1996	Bishop et al.	
		5,569,161		10-29-1996	Ebling et al.	
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		5,571,090		11-05-1996	Sherts	
		5,571,100		11-05-1996	Goble et al.	
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		5,573,543		11-12-1996	Akopov et al.	
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		5,575,789		11-19-1996	Bell et al.	
		5,575,799		11-19-1996	Bolanos et al.	
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		5,582,611		12-10-1996	Tsuruta et al.	
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		5,586,711		12-24-1996	Plyley et al.	

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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
		5,588,579		12-31-1996	Schnut et al.	
		5,588,580		12-31-1996	Paul et al.	
		5,588,581		12-31-1996	Conlon et al.	
		5,591,170		01-07-1997	Spievack et al.	
		5,591,187		01-07-1997	Dekel	
		5,597,107		01-28-1997	Knodel et al.	
		5,599,151		02-04-1997	Daum et al.	
		5,599,344		02-04-1997	Paterson	
		5,599,350		02-04-1997	Schulze et al.	
		5,601,224		02-11-1997	Bishop et al.	
		5,603,443		02-18-1997	Clark et al.	
		5,605,272		02-25-1997	Witt et al.	
		5,605,273		02-25-1997	Hamblin et al.	
		5,607,094		03-04-1997	Clark et al.	
		5,607,095		03-04-1997	Smith et al.	
		5,607,450		03-04-1997	Zvenyatsky et al.	
		5,609,285		03-11-1997	Grant et al.	
		5,611,709		03-18-1997	McAnulty	
		5,613,966		03-25-1997	Makower et al.	
		5,618,294		04-08-1997	Aust et al.	
		5,618,303		04-08-1997	Marlow et al.	
		5,618,307		04-08-1997	Donlon et al.	
		5,620,289		04-15-1997	Curry	
		5,620,452		04-15-1997	Yoon	
		5,624,452		04-29-1997	Yates	
		5,626,587		05-06-1997	Bishop et al.	
		5,628,446		05-13-1997	Geiste et al.	
		5,628,743		05-13-1997	Cimino	
		5,630,539		05-20-1997	Plyley et al.	
		5,630,540		05-20-1997	Blewett	
		5,630,782		05-20-1997	Adair	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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<i>(use as many sheets as necessary)</i>					

U.S. PATENT DOCUMENTS					
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		Number - Kind Code <sup>2</sup> (if known)			
		5,632,432	05-27-1997	Schulze et al.	
		5,632,433	05-27-1997	Grant et al.	
		5,634,584	06-03-1997	Okorochoa et al.	
		5,636,779	06-10-1997	Palmer	
		5,636,780	06-10-1997	Green et al.	
		5,639,008	06-17-1997	Gallagher et al.	
		5,643,291	07-01-1997	Pier et al.	
		5,645,209	07-08-1997	Green et al.	
		5,647,526	07-15-1997	Green et al.	
		5,647,869	07-15-1997	Goble et al.	
		5,649,937	07-22-1997	Bito et al.	
		5,651,491	07-29-1997	Heaton et al.	
		5,653,373	08-05-1997	Green et al.	
		5,653,374	08-05-1997	Young et al.	
		5,653,721	08-05-1997	Knodel et al.	
		5,655,698	08-12-1997	Yoon	
		5,657,921	08-19-1997	Young et al.	
		5,658,281	08-19-1997	Heard	
		5,658,300	08-19-1997	Bito et al.	
		5,662,258	09-02-1997	Knodel et al.	
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		5,669,544	09-23-1997	Schulze et al.	
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		5,669,918	09-23-1997	Balazs et al.	
		5,673,840	10-07-1997	Schulze et al.	
		5,673,841	10-07-1997	Schulze et al.	

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				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
Examiner Name	Brian D. Nash				
Attorney Docket Number	END5924USCNT2/060339CON2				
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		Number - Kind Code <sup>2</sup>	(if known)			
		5,673,842		10-07-1997	Bittner et al.	
		5,678,748		10-21-1997	Plyley et al.	
		5,680,981		10-28-1997	Miilli et al.	
		5,680,982		10-28-1997	Schulze et al.	
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		5,683,349		11-04-1997	Makower et al.	
		5,685,474		11-11-1997	Seeber	
		5,690,269		11-25-1997	Bolanos et al.	
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		5,695,504		12-09-1997	Gifford, III et al.	
		5,695,524		12-09-1997	Kelley et al.	
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		5,697,943		12-16-1997	Sauer et al.	
		5,700,270		12-23-1997	Peyser et al.	
		5,702,387		12-30-1997	Arts et al.	
		5,702,408		12-30-1997	Wales et al.	
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		5,713,895		02-03-1998	Lontine et al.	
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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		5,715,988		02-10-1998	Palmer	
		5,716,366		02-10-1998	Yates	
		5,718,359		02-17-1998	Palmer et al.	
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		5,720,744		02-24-1998	Eggleston et al.	
		5,725,536		03-10-1998	Oberlin et al.	
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		5,728,121		03-17-1998	Bimbo et al.	
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		5,749,889		05-12-1998	Bacich et al.	
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		5,752,644		05-19-1998	Bolanos et al.	
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		5,758,814		06-02-1998	Gallagher et al.	
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				Examiner Name	Brian D. Nash
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		5,772,578		06-30-1998	Heimberger et al.	
		5,772,659		06-30-1998	Becker et al.	
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		5,779,131		07-14-1998	Knodel et al.	
		5,779,132		07-14-1998	Knodel et al.	
		5,782,396		07-21-1998	Mastri et al.	
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		5,782,749		07-21-1998	Riza	
		5,782,859		07-21-1998	Nicholas et al.	
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		5,785,232		07-28-1998	Vidal et al.	
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		5,792,165		08-11-1998	Klieman et al.	
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		5,797,536		08-25-1998	Smith et al.	
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		5,797,959		08-25-1998	Castro et al.	
		5,799,857		09-01-1998	Robertson et al.	
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		5,817,091		10-06-1998	Nardella et al.	

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		5,817,093		10-06-1998	Williamson, IV et al.	
		5,817,109		10-06-1998	McGary et al.	
		5,817,119		10-06-1998	Klieman et al.	
		5,820,009		10-13-1998	Melling et al.	
		5,823,066		10-20-1998	Huitema et al.	
		5,826,776		10-27-1998	Schulze et al.	
		5,827,271		10-27-1998	Buysse et al.	
		5,829,662		11-03-1998	Allen et al.	
		5,833,690		11-10-1998	Yates et al.	
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		5,836,503		11-17-1998	Ehrenfels et al.	
		5,836,960		11-17-1998	Kolesa et al.	
		5,839,639		11-24-1998	Sauer et al.	
		5,843,132		12-01-1998	Ilvento	
		5,846,254		12-08-1998	Schulze et al.	
		5,849,011		12-15-1998	Jones et al.	
		5,855,311		01-05-1999	Hamblin et al.	
		5,855,583		01-05-1999	Wang et al.	
		5,860,975		01-19-1999	Goble et al.	
		5,865,361		02-02-1999	Milliman et al.	
		5,868,760		02-09-1999	McGuckin, Jr.	
		5,871,135		02-16-1999	Williamson IV et al.	
		5,873,885		02-23-1999	Weidenbenner	
		5,876,401		03-02-1999	Schulze et al.	
		5,878,937		03-09-1999	Green et al.	
		5,878,938		03-09-1999	Bittner et al.	
		5,891,160		04-06-1999	Williamson, IV et al.	
		5,893,506		04-13-1999	Powell	
		5,894,979		04-20-1999	Powell	
		5,897,562		04-27-1999	Bolanos et al.	

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				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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U.S. PATENT DOCUMENTS						
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		Number - Kind Code <sup>2</sup> (if known)				
		5,899,914		05-04-1999	Zirps et al.	
		5,901,895		05-11-1999	Heaton et al.	
		5,902,312		05-11-1999	Frater et al.	
		5,904,693		05-18-1999	Dicesare et al.	
		5,906,625		05-25-1999	Bitto et al.	
		5,908,402		06-01-1999	Blythe	
		5,908,427		06-01-1999	McKean et al.	
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		5,918,791		07-06-1999	Sorrentino et al.	
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		5,931,847		08-03-1999	Bittner et al.	
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		5,941,442		08-24-1999	Geiste et al.	
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		6,013,076		01-11-2000	Goble et al.	

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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		6,017,322		01-25-2000	Snoke et al.	
		6,017,356		01-25-2000	Frederick et al.	
		6,022,352		02-08-2000	Vandewalle	
		6,024,741		02-15-2000	Williamson, IV et al.	
		6,024,748		02-15-2000	Manzo et al.	
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		6,063,097		05-16-2000	Oi et al.	
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		6,066,132		05-23-2000	Chen et al.	
		6,068,627		05-30-2000	Orszulak et al.	
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		6,090,106		07-18-2000	Goble et al.	
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				Application Number	13/369,609	
Sheet		41	of	82	Examiner Name	Brian D. Nash
					Attorney Docket Number	END5924USCNT2/060339CON2

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		6,099,537	08-08-2000	Sugai et al.	
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		6,102,271	08-15-2000	Longo et al.	
		6,109,500	08-29-2000	Alli et al.	
		6,117,158	09-12-2000	Measamer et al.	
		6,119,913	09-19-2000	Adams et al.	
		6,120,433	09-19-2000	Mizuno et al.	
		6,123,241	09-26-2000	Walter et al.	
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				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		6,223,835 B1	05-01-2001	Habedank et al.	
		6,228,081 B1	05-08-2001	Goble	
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		6,352,503 B1	03-05-2002	Matsui et al.	
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				Application Number	13/369,609	
Sheet		44	of	82	Examiner Name	Brian D. Nash
					Attorney Docket Number	END5924USCNT2/060339CON2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		6,503,257 B2	01-07-2003	Grant et al.	
		6,503,259 B2	01-07-2003	Huxel et al.	
		6,505,768 B2	01-14-2003	Whitman	
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				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		Number - Kind Code <sup>2</sup> (if known)				
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				Application Number	13/369,609	
Sheet		50	of	82	Examiner Name	Brian D. Nash
					Attorney Docket Number	END5924USCNT2/060339CON2

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		Filing Date	February 9, 2012
		First Named Inventor	Frederick E. Shelton, IV
		Art Unit	3721
		Examiner Name	Brian D. Nash
		Attorney Docket Number	END5924USCNT2/060339CON2
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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<i>(use as many sheets as necessary)</i>					

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				Attorney Docket Number	END5924USCNT2/060339CON2
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		7,546,940	B2	06-16-2009	Milliman et al.	
		7,547,312	B2	06-16-2009	Bauman et al.	
		7,549,564	B2	06-23-2009	Boudreaux	

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				Application Number	13/369,609
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				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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U.S. PATENT DOCUMENTS					
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		Number - Kind Code <sup>2</sup> (if known)			
		7,552,854 B2	06-30-2009	Wixey et al.	
		7,556,185 B2	07-07-2009	Viola	
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		7,559,450 B2	07-14-2009	Wales et al.	
		7,559,452 B2	07-14-2009	Wales et al.	
		7,563,862 B2	07-21-2009	Sieg et al.	
		7,566,300 B2	07-28-2009	Devierre et al.	
		7,568,603 B2	08-04-2009	Shelton, IV et al.	
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		7,568,619 B2	08-04-2009	Todd et al.	
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		7,611,038 B2	11-03-2009	Racenet et al.	
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		7,631,793 B2	12-15-2009	Rethy et al.	
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		7,637,409 B2	12-29-2009	Marczyk	
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		7,651,498 B2	01-26-2010	Shifrin et al.	
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				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		7,669,747 B2	03-02-2010	Weisenburgh, II et al.	
		7,673,780 B2	03-09-2010	Shelton, IV et al.	
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		7,674,255 B2	03-09-2010	Braun	
		7,682,307 B2	03-23-2010	Danitz et al.	
		7,686,826 B2	03-30-2010	Lee et al.	
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				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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U.S. PATENT DOCUMENTS						
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		Number - Kind Code <sup>2</sup> (if known)				
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		7,780,663 B2		08-24-2010	Yates et al.	
		7,780,685 B2		08-24-2010	Hunt et al.	
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				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		7,845,534 B2	12-07-2010	Viola et al.	
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		7,963,963 B2	06-21-2011	Francischelli et al.	
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		8,002,795 B2	08-23-2011	Beetel	
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				Application Number	13/369,609
				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
Sheet	60	of	82		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		8,157,153 B2	04-17-2012	Shelton, IV et al.	
		8,161,977 B2	04-24-2012	Shelton, IV et al.	
		8,167,895 B2	05-01-2012	D'Agostino et al.	
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				Art Unit	3721
				Examiner Name	Brian D. Nash
Sheet	62	of	82	Attorney Docket Number	END5924USCNT2/060339CON2

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
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				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
Sheet	63	of	82		

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		EP 0598618 B1		09-02-1998	Ortiz et al.		
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		EP 0708618 B1		03-19-1997	Goble		
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				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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<i>(use as many sheets as necessary)</i>					

<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
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				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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Sheet	71	of	82	Attorney Docket Number	END5924USCNT2/060339CON2	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
<i>(use as many sheets as necessary)</i>				Art Unit	3721
				Examiner Name	Brian D. Nash
Sheet	72	of	82	Attorney Docket Number	END5924USCNT2/060339CON2

<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
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				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
Sheet	73	of	82		

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
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				Examiner Name	Brian D. Nash	
Sheet 74 of 82	Attorney Docket Number	END5924USCNT2/060339CON2				

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				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
Examiner Name	Brian D. Nash				
Attorney Docket Number	END5924USCNT2/060339CON2				
Sheet	75	of	82		

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				Art Unit	3721
Examiner Name	Brian D. Nash				
Attorney Docket Number	END5924USCNT2/060339CON2				
Sheet	76	of	82		

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		WO 2004/105621 A1		12-09-2004	Meagher		
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		WO 2005/072634 A2		08-11-2005	Latterell et al.		
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Examiner Signature		Date Considered	
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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
Sheet	77	of	82		

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>5</sup> (if known)					
		WO 2007/016290 A2		02-08-2007	Whitman et al.		
		WO 2007/018898 A2		02-15-2007	Lee		
		WO 2007/098220 A2		08-30-2007	West et al.		
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		WO 93/19681 A1		10-14-1993	Klicek		

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				Application Number	13/369,609	
Sheet		78	of	82	Examiner Name	Brian D. Nash
					Attorney Docket Number	END5924USCNT2/060339CON2

FOREIGN PATENT DOCUMENTS							
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
		WO 94/00060 A1		01-06-1994	Klicek		
		WO 94/11057 A1		05-26-1994	Avitall		
		WO 94/12108 A1		06-09-1994	Broadwin et al.		
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				First Named Inventor		Frederick E. Shelton, IV	
				Art Unit		3721	
				Examiner Name		Brian D. Nash	
Sheet	79	of	82	Attorney Docket Number		END5924USCNT2/060339CON2	

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		WO 96/27337	A1	09-12-1996	Platt et al.		
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		WO 96/39089	A1	12-12-1996	Paterson		
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		WO 97/10763	A1	03-27-1997	Buysse et al.		
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				Examiner Name		Brian D. Nash	
Sheet	81	of	82	Attorney Docket Number		END5924USCNT2/060339CON2	

NON PATENT LITERATURE DOCUMENTS			
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		Disclosed Anonymously, "Motor-Driven Surgical Stapler Improvements," Research Disclosure Database Number 526041, Published: February 2008.	
		C.C. Thompson et al., "Peroral Endoscopic Reduction of Dilated Gastrojejunal Anastomosis After Roux-en-Y Gastric Bypass: A Possible New Option for Patients with Weight Regain," Surg Endosc (2006) Vol. 20, pp. 1744-1748.	
		B.R. Coolman, DVM, MS et al., "Comparison of Skin Staples With Sutures for Anastomosis of the Small Intestine in Dogs," Abstract; <a href="http://www.blackwell-synergy.com/doi/abs/10.1053/jvet.2000.7539?cookieSet=1&amp;journalCode=vsv">http://www.blackwell-synergy.com/doi/abs/10.1053/jvet.2000.7539?cookieSet=1&amp;journalCode=vsv</a> which redirects to <a href="http://www3.interscience.wiley.com/journal/119040681/abstract?CRETRY=1&amp;SRETRY=0">http://www3.interscience.wiley.com/journal/119040681/abstract?CRETRY=1&amp;SRETRY=0</a> ; [online] accessed: September 22, 2008 (2 pages).	
		The Sodem Aseptic Battery Transfer Kit, Sodem Systems, (2000), 3 pages.	
		"Biomedical Coatings," Fort Wayne Metals, Research Products Corporation, obtained online at <a href="http://www.fwmetals.com">www.fwmetals.com</a> on June 21, 2010 (1 page).	
		Van Meer et al., "A Disposable Plastic Compact Wrist for Smart Minimally Invasive Surgical Tools," LAAS/CNRS (August 2005).	
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		ASTM procedure D2240-05, "Standard Test Method for Rubber Property-Durometer Hardness," (Published April 2010).	
		United States Patent Application No. 12/031,542, filed February 14, 2008. (Attorney Docket No. END6267USNP/070389)	

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PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL SEARCHING AUTHORITY

To:  
 Johnson, Philip S.  
 JOHNSON & JOHNSON  
 One Johnson & Johnson Plaza  
 New Brunswick, NJ 08933  
 ETATS-UNIS D'AMERIQUE

RECEIVED  
 MAY 14 2012  
 J & J PAT DKT SECTION

NOTIFICATION OF TRANSMITTAL OF  
 THE INTERNATIONAL SEARCH REPORT AND  
 THE WRITTEN OPINION OF THE INTERNATIONAL  
 SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Applicant's or agent's file reference END5924WOPCT	Date of mailing (day/month/year) 7 May 2012 (07-05-2012)
International application No. PCT/US2012/026907	International filing date (day/month/year) 28 February 2012 (28-02-2012)
Applicant ETHICON ENDO-SURGERY, INC	

**FOR FURTHER ACTION** See paragraphs 1 and 4 below

1.  The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

**Filing of amendments and statement under Article 19:**  
 The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

**When?** The time limit for filing such amendments is normally two months from the date of transmittal of the International Search Report.

**Where?** Directly to the International Bureau of WIPO, 34 chemin des Colombettes  
 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 338.82 70

For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 - 9.011.

2.  The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3.  With regard to any protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Reminders**


The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. Following the expiration of 30 months from the priority date, these comments will also be made available to the public.

Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

For details about the applicable time limits, Office by Office, see [www.wipo.int/pct/en/texts/time\\_limits.html](http://www.wipo.int/pct/en/texts/time_limits.html) and the *PCT Applicant's Guide*, National Chapters.

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040 Fax: (+31-70) 340-3016	Authorized officer VOINOT, Jacques Tel: +49 (0)89 2399-8782
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PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference END5924WOPCT	<b>FOR FURTHER ACTION</b>		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/US2012/026997	International filing date (day/month/year) 28/02/2012	(Earliest) Priority Date (day/month/year) 01/03/2011	
Applicant ETHICON ENDO-SURGERY, INC.			
<p>This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.</p> <p>This international search report consists of a total of <u>4</u> sheets.</p> <p><input checked="" type="checkbox"/> It is also accompanied by a copy of each prior art document cited in this report.</p>			
<p>1. Basis of the report</p> <p>a. With regard to the <b>language</b>, the international search was carried out on the basis of:</p> <p><input checked="" type="checkbox"/> the international application in the language in which it was filed</p> <p><input type="checkbox"/> a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))</p> <p>b. <input type="checkbox"/> This international search report has been established taking into account the <b>rectification of an obvious mistake</b> authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).</p> <p>c. <input type="checkbox"/> With regard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application, see Box No. I.</p> <p>2. <input type="checkbox"/> Certain claims were found unsearchable (See Box No. II)</p> <p>3. <input type="checkbox"/> Unity of invention is lacking (see Box No. III)</p> <p>4. With regard to the <b>title</b>,</p> <p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant</p> <p><input type="checkbox"/> the text has been established by this Authority to read as follows:</p> <p>5. With regard to the <b>abstract</b>,</p> <p><input type="checkbox"/> the text is approved as submitted by the applicant</p> <p><input checked="" type="checkbox"/> the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority</p> <p>6. With regard to the <b>drawings</b>,</p> <p>a. the figure of the <b>drawings</b> to be published with the abstract is Figure No. <u>11</u></p> <p><input type="checkbox"/> as suggested by the applicant</p> <p><input type="checkbox"/> as selected by this Authority, because the applicant failed to suggest a figure</p> <p><input checked="" type="checkbox"/> as selected by this Authority, because this figure better characterizes the invention</p> <p>b. <input type="checkbox"/> none of the figures is to be published with the abstract</p>			

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2012/036997

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A surgical instrument (10) including an end effector (12) having at least one sensor (368). The instrument includes a distal stapling unit for performing at least one surgical task operatively connected to a remotely controllable user interface. The instrument further includes an electrically conductive shaft (8) having a distal end connected to the end effector, wherein the sensor is electrically insulated from the shaft. The instrument also includes a housing (6) at a proximate end of the shaft configured to receive mechanical or electrical inputs. In addition, the instrument has a receiver unit (300) electrically insulated from the shaft configured to receive and send wireless signals from and to the sensor.

INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2012/026997

A. CLASSIFICATION OF SUBJECT MATTER  
INV. A61B17/072  
ADD. A61B17/00 A61B17/29 A61B19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED  
Minimum documentation searched (classification system followed by classification symbols)  
A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008/167672 A1 (GIORDANO JAMES R [US] ET AL) 10 July 2008 (2008-07-10) paragraphs [0033], [0034], [0057] - [0063], [0071], [0078] - [0087]; figures 11,12,17,20 -----	1,2,4-7
X	US 2008/167522 A1 (GIORDANO JAMES R [US] ET AL) 10 July 2008 (2008-07-10) paragraphs [0033], [0034], [0057] - [0063], [0071], [0078] - [0087]; figures 11,12,17,20 -----	1,2,4-7
X	US 2008/167671 A1 (GIORDANO JAMES R [US] ET AL) 10 July 2008 (2008-07-10) paragraphs [0028] - [0036], [0061], [0062], [0066], [0071], [0072], [0081] - [0086]; figures 1,3,11,12 -----	1,2,4-7

Further documents are listed in the continuation of Box C.  See patent family annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier document but published on or after the international filing date  
 "L" document which may throw doubts on priority (claims) or which is cited to establish the publication date of another citation or other special reason (as specified)  
 "O" document referring to an oral disclosure, use, exhibition or other means  
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
 "8" document member of the same patent family

Date of the actual completion of the international search: 25 April 2012  
 Date of mailing of the international search report: 07/05/2012

Name and mailing address of the ISA/  
 European Patent Office, P.B. 5818 Palaisnlaan 2  
 NL - 2280 HV Rijswijk  
 Tel: (+31-70) 340-2040,  
 Fax: (+31-70) 340-3015

Authorized officer  
 Maier, Christian

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No  
PCT/US2012/026997

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2008167672 A1	10-07-2008	CN 101224119 A	23-07-2008
		EP 1943955 A2	16-07-2008
		JP 2008212637 A	18-09-2008
		US 2008167672 A1	10-07-2008
		US 2011132963 A1	09-06-2011
		US 2011174861 A1	21-07-2011
US 2008167522 A1	10-07-2008	CN 101361666 A	11-02-2009
		EP 1943957 A2	16-07-2008
		JP 2008237881 A	09-10-2008
		US 2008167522 A1	10-07-2008
		US 2010294829 A1	25-11-2010
		US 2010301095 A1	02-12-2010
US 2008167671 A1	10-07-2008	AT 547052 T	15-03-2012
		CN 101234033 A	06-08-2008
		EP 1943958 A1	16-07-2008
		EP 2356949 A2	17-08-2011
		JP 2008206967 A	11-09-2008
		US 2008167671 A1	10-07-2008

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:  see form PCT/ISA/220	<div style="font-size: 2em; font-weight: bold; opacity: 0.5;">RECEIVED</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">PCT</div> <div style="font-size: 1.2em; margin-top: 10px;">MAY 14 2012</div> <div style="font-size: 1.2em; margin-top: 10px;">I &amp; J PAT. DKT. SECTION</div> <div style="font-size: 1.2em; margin-top: 10px;">WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)</div>
Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)	

Applicant's or agent's file reference see form PCT/ISA/220	<b>FOR FURTHER ACTION</b> See paragraph 2 below
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International application No. PCT/US2012/026997	International filing date (day/month/year) 28.02.2012	Priority date (day/month/year) 01.03.2011
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International Patent Classification (IPC) or both national classification and IPC  
INV. A61B17/072 ADD. A61B17/00 A61B17/29 A61B19/00

Applicant  
ETHICON ENDO-SURGERY, INC.

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the international Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:  European Patent Office D-80298 Munich Tel: +49 89 2399 - 0 Fax: +49 89 2399 - 4465	Date of completion of this opinion  see form PCT/ISA/210	Authorized Officer  Maier, Christian  Telephone No. +49 89 2399-0
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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/US2012/026997

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**Box No. I Basis of the opinion**

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1. With regard to the **language**, this opinion has been established on the basis of:
  - the international application in the language in which it was filed
  - a translation of the international application into , which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1 (b)).
2.  This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
  - a. (means)
    - on paper
    - in electronic form
  - b. (time)
    - in the international application as filed
    - together with the international application in electronic form
    - subsequently to this Authority for the purposes of search
4.  In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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1. Statement

Novelty (N)	Yes: Claims	
	No: Claims	<u>1, 2, 4-7</u>
Inventive step (IS)	Yes: Claims	
	No: Claims	<u>1, 2, 4-7</u>
Industrial applicability (IA)	Yes: Claims	<u>1, 2, 4-7</u>
	No: Claims	

2. Citations and explanations

see separate sheet

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/US2012/026997

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**Box No. VII Certain defects in the international application**

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The following defects in the form or contents of the international application have been noted:

see separate sheet



Re Item V

**Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

Reference is made to the following documents:

- D1 US 2008/167672 A1 (GIORDANO JAMES R [US] ET AL) 10 July 2008 (2008-07-10)
- D2 US 2008/167522 A1 (GIORDANO JAMES R [US] ET AL) 10 July 2008 (2008-07-10)
- D3 US 2008/167671 A1 (GIORDANO JAMES R [US] ET AL) 10 July 2008 (2008-07-10)

1 INDEPENDENT CLAIM 1

1.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

Document D1 discloses (the references in parentheses applying to this document):

A surgical instrument (10; fig.11) comprising an end effector (12) comprising at least one sensor (368), a distal stapling unit (22,24) for performing at least one surgical task operatively connected (via 300) to a remotely controllable user interface (remote programming device 320; par.78), an electrically conductive shaft (8; par.61, last sentence) having a distal end connected to the end effector wherein the sensor is electrically insulated from the shaft (par. 71, fourth sentence), and a housing (6) at a proximate end of the shaft, configured to receive at least one of mechanical or electrical inputs (via 302), and a receiver unit (320,322,324) electrically insulated from the shaft (par. 61,62) configured to receive and send wireless signals from and to the sensor (par.63).

1.2 Furthermore, the subject-matter of claim 1 is not new in the sense of Article 33 (2) PCT over the disclosure in documents D2 (cf. ref.signs 368,320,322,324; fig.11) or D3 (cf. ref.signs 35,21; fig.1.3).

2 DEPENDENT CLAIMS

2.1 Dependent claims 2,4-7 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty, as the subject-matter of said claims is disclosed by document D1, see for this purpose:

- claims 2,4-7: par.57

**Re Item VII**

**Certain defects in the international application**

- 1 The features of the claims are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).
- 2 An incorporation of documents by reference (see par.1,7,17,21,22,51,70,78) is not possible in some of the Designated States.
- 3 The unit of weight ("lbs") employed in paragraph 6 is not additionally expressed in terms of the units stipulated by Rule 10.1(a) PCT.

Possible steps after receipt of the international search report (ISR) and written opinion of the International Searching Authority (WO-ISA)

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General information	For all international applications filed on or after 01/01/2004 the competent ISA will establish an ISR. It is accompanied by the WO-ISA. Unlike the former written opinion of the IPEA (Rule 66.2 PCT), the WO-ISA is not meant to be responded to, but to be taken into consideration for further procedural steps. This document explains about the possibilities.
Amending claims under Art. 19 PCT	Within 2 months after the date of mailing of the ISR and the WO-ISA the applicant may file amended claims under Art. 19 PCT directly with the International Bureau of WIPO. The PCT reform of 2004 did not change this procedure. For further information please see Rule 46 PCT as well as form PCT/ISA/220 and the corresponding Notes to form PCT/ISA/220.
Filing a demand for international preliminary examination	<p>In principle, the WO-ISA will be considered as the written opinion of the IPEA. This should, in many cases, make it unnecessary to file a demand for international preliminary examination. If the applicant nevertheless wishes to file a demand this must be done before expiry of 3 months after the date of mailing of the ISR/ WO-ISA or 22 months after priority date, whichever expires later (Rule 54bis PCT). Amendments under Art. 34 PCT can be filed with the IPEA as before, normally at the same time as filing the demand (Rule 66.1 (b) PCT).</p> <p>If a demand for international preliminary examination is filed and no comments/amendments have been received the WO-ISA will be transformed by the IPEA into an IPRP (International Preliminary Report on Patentability) which would merely reflect the content of the WO-ISA. The demand can still be withdrawn (Art. 37 PCT).</p>
Filing informal comments	After receipt of the ISR/WO-ISA the applicant may file informal comments on the WO-ISA directly with the International Bureau of WIPO. These will be communicated to the designated Offices together with the IPRP (International Preliminary Report on Patentability) at 30 months from the priority date. Please also refer to the next box.
End of the international phase	At the end of the international phase the International Bureau of WIPO will transform the WO-ISA or, if a demand was filed, the written opinion of the IPEA into the IPRP, which will then be transmitted together with possible informal comments to the designated Offices. The IPRP replaces the former IPER (international preliminary examination report).
Relevant PCT Rules and more information	Rule 43 PCT, Rule 43bis PCT, Rule 44 PCT, Rule 44bis PCT, PCT Newsletter 12/2003, OJ 11/2003, OJ 12/2003

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PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL SEARCHING AUTHORITY

To:  
 Johnson, Philip S.  
 JOHNSON & JOHNSON  
 One Johnson & Johnson Plaza  
 New Brunswick, NJ 08933  
 ETATS-UNIS D'AMERIQUE

RECEIVED  
 NOV 13 2012  
 J & J PAT. DKT. SECTION

NOTIFICATION OF TRANSMITTAL OF  
 THE INTERNATIONAL SEARCH REPORT AND  
 THE WRITTEN OPINION OF THE INTERNATIONAL  
 SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year)	29 October 2012 (29-10-2012)
Applicant's or agent's file reference END5924WOPC1	<b>FOR FURTHER ACTION</b> See paragraphs 1 and 4 below
International application No. PCT/US2012/039156	International filing date (day/month/year) 23 May 2012 (23-05-2012)
Applicant ETHICON ENDO-SURGERY, INC.	

1.  The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

**Filing of amendments and statement under Article 19:**  
 The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

**When?** The time limit for filing such amendments is normally two months from the date of transmittal of the International Search Report.

**Where?** Directly to the International Bureau of WIPO, 34 chemin des Colombettes  
 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 338.82.70

**For more detailed instructions, see PCT Applicant's Guide, International Phase, paragraphs 9.004 - 9.011.**

2.  The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3.  **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Reminders**


The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. Following the expiration of 30 months from the priority date, these comments will also be made available to the public.

Shortly after the expiration of **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before completion of the technical preparations for international publication (Rules 90*bis*.1 and 90*bis*.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months.

For details about the applicable time limits, Office by Office, see [www.wipo.int/pct/en/texts/time\\_limits.html](http://www.wipo.int/pct/en/texts/time_limits.html) and the *PCT Applicant's Guide*, National Chapters.

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040 Fax: (+31-70) 340-3016	Authorized officer VOINOT, Jacques Tel: +49 (0)89 2399-8782
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference END59 24WOPC1	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2012/039156	International filing date (day/month/year) 23/05/2012	(Earliest) Priority Date (day/month/year) 27/05/2011
Applicant ETHICON ENDO-SURGERY, INC.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

the international application in the language in which it was filed

a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b.  This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c.  With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2.  **Certain claims were found unsearchable** (See Box No. II)

3.  **Unity of invention is lacking** (see Box No III)

4. With regard to the **title**,

the text is approved as submitted by the applicant

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 26

as suggested by the applicant

as selected by this Authority, because the applicant failed to suggest a figure

as selected by this Authority, because this figure better characterizes the invention

b.  none of the figures is to be published with the abstract

**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/US2012/039156

**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. A61B17/072  
ADD.  
According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**  
Minimum documentation searched (classification system followed by classification symbols)  
A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 943 957 A2 (ETHICON ENDO SURGERY INC [US]) 16 July 2008 (2008-07-16) the whole document -----	1-20
X	WO 03/090630 A2 (TYCO HEALTHCARE [US]; HEINRICH RUSSELL [US]; CUNY DOUGLAS J [US]) 6 November 2003 (2003-11-06) the whole document -----	1-20
X	EP 2 090 245 A1 (ETHICON ENDO SURGERY INC [US]) 19 August 2009 (2009-08-19) the whole document -----	1-20

Further documents are listed in the continuation of Box C.  See patent family annex.

\* Special categories of cited documents :

*A* document defining the general state of the art which is not considered to be of particular relevance	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
*E* earlier application or patent but published on or after the international filing date	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
*O* document referring to an oral disclosure, use, exhibition or other means	*Z* document member of the same patent family
*P* document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  18 October 2012	Date of mailing of the international search report  29/10/2012
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Strazdauskas, Gedas
--	---

1

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No

PCT/US2012/039156

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1943957	A2	16-07-2008	CN 101361666 A 11-02-2009
			EP 1943957 A2 16-07-2008
			JP 2008237881 A 09-10-2008
			US 2008167522 A1 10-07-2008
			US 2010294829 A1 25-11-2010
			US 2010301095 A1 02-12-2010
-----			
WO 03090630	A2	06-11-2003	AU 2003245246 A1 10-11-2003
			AU 2009200903 A1 26-03-2009
			AU 2011201490 A1 28-04-2011
			CA 2483094 A1 06-11-2003
			EP 1496805 A2 19-01-2005
			ES 2377483 T3 28-03-2012
			JP 4431404 B2 17-03-2010
			JP 2005523105 A 04-08-2005
			US 2005131390 A1 16-06-2005
			US 2011144640 A1 16-06-2011
			US 2012016362 A1 19-01-2012
			WO 03090630 A2 06-11-2003
			-----
EP 2090245	A1	19-08-2009	BR PI0901508 A2 26-01-2010
			CN 101507623 A 19-08-2009
			EP 2090245 A1 19-08-2009
			EP 2465441 A2 20-06-2012
			EP 2465445 A2 20-06-2012
			JP 2009189844 A 27-08-2009
			RU 2009105140 A 20-08-2010
			US 2009206131 A1 20-08-2009
			US 2011132964 A1 09-06-2011
			-----

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

## PCT

To:  <p style="text-align: center;">see form PCT/ISA/220</p>	<p style="text-align: center;">WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43<i>bis</i>.1)</p>
Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)	

RECEIVED  
 NOV 13 2012  
 J & J PAT. DKT. SECTION

Applicant's or agent's file reference see form PCT/ISA/220	<b>FOR FURTHER ACTION</b> See paragraph 2 below	
International application No. PCT/US2012/039156	International filing date (day/month/year) 23.05.2012	Priority date (day/month/year) 27.05.2011
International Patent Classification (IPC) or both national classification and IPC INV. A61B17/072		
Applicant ETHICON ENDO-SURGERY, INC.		

1. This opinion contains indications relating to the following items:


- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA:   European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Fax: +49 89 2399 - 4465	Date of completion of this opinion  see form PCT/ISA/210	Authorized Officer  Strazdauskas, Gedas  Telephone No. +49 89 2399-5773
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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/US2012/039156

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**Box No. I Basis of the opinion**

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1. With regard to the **language**, this opinion has been established on the basis of:
  - the international application in the language in which it was filed
  - a translation of the international application into , which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1 (b)).
2.  This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
  - a. (means)
    - on paper
    - in electronic form
  - b. (time)
    - in the international application as filed
    - together with the international application in electronic form
    - subsequently to this Authority for the purposes of search
4.  In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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1. Statement

Novelty (N)	Yes: Claims	
	No: Claims	<u>1-20</u>
Inventive step (IS)	Yes: Claims	
	No: Claims	<u>1-20</u>
Industrial applicability (IA)	Yes: Claims	<u>1-20</u>
	No: Claims	

2. Citations and explanations

**see separate sheet**

**Re Item V.**

**Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

Reference is made to the following documents:

- D1 EP 1 943 957 A2 (ETHICON ENDO SURGERY INC [US]) 16 July 2008 (2008-07-16)
- D2 WO 03/090630 A2 (TYCO HEALTHCARE [US]; HEINRICH RUSSELL [US]; CUNY DOUGLAS J [US]) 6 November 2003 (2003-11-06)
- D3 EP 2 090 245 A1 (ETHICON ENDO SURGERY INC [US]) 19 August 2009 (2009-08-19)

**1 Independent claims**

**1.1 Conciseness**

Although claims 1,15 have been drafted as separate independent claims, they appear to relate effectively to the same subject-matter and to differ from each other only with regard to the definition of the subject-matter for which protection is sought and in respect of the terminology used for the features of that subject-matter. The aforementioned claims therefore lack conciseness and as such do not meet the requirements of Article 6 PCT.

**1.2 Novelty**

The document D1 discloses (the references in parentheses applying to this document):

a surgical instrument ("end effector 12") {for use with a robotic system that has a control unit and a shaft portion that includes an electrically conductive elongated member that is attached to a portion of said robotic system and is configured to transmit control motions from the robotic system (do not form part of the claimed subject-matter)}, the surgical instrument comprising an end effector(12) that is configured to be operably coupled to the elongated electrically conductive member (not claimed; nevertheless, NB the end effector is even coupled to shaft 8 of the stapler which qualifies as a robotic system) to receive said control motions from said

surgical tool system (antecedence?) such that at least one sensor (was not defined before as forming part of the end effector; anyway, see para. 368) within said end effector is electrically insulated from the elongated electrically conductive member such that the elongated electrically conductive member can wirelessly radiate communication signals from the control unit to the at least one sensor and can receive wirelessly radiated communication signals from the at least one sensor (with regard to the non-claimed entities see PCT Guidelines 5.23).

The subject-matter of claim 1 is, therefore not new in the sense of Article 33(2) PCT. Consequently the present application does not meet the criteria of Article 33(1) PCT.

D1 also discloses the subject-matter of claim 15. With respect to "the drive shaft" see fig. 3; pos. 36, for the remaining features please see the references in the above passages.

D2 also discloses the subject-matter of claims 1 and 15. See D2, l. 13, p. 15 - l. 17, p. 16; and further to l. 13-18 on p. 14, in particular, the last sentence thereof which provides general characteristics regarding the MEMS devices as such rather than applying to a particular plurality of the MEMS device in a concrete example which merely exemplifies a possible use of these devices with various staplers.

D3 also discloses the subject-matter of claim 1. See fig. 65. Please note that, although the DLU of D3 does not have any kind of sensors, claim 1 does not require to have them. Since the end effector of claim 1 should be merely configured to be operably coupled to some unclaimed and thus unknown systems and/or components, "such that at least one sensor within said end effector is electrically insulated...". NB said sensor was not defined as forming part of the end effector before. Hence, this sensor also could be a part of non-claimed robotic system, which is inserted into the end effector (DLU) of D3 when said end effector is operably coupled to this unknown robotic system. The same arguments apply mutatis-mutandis with regard to claim 15 which is also disclosed by D3.

## **2 Dependent claims**

Dependent claims 2-14,16-20 are also not new over D1-D3. For the details respectively the disclosure of the dependent claims by D1 see the following references:

claims 2-6 -> para. 39;

claims 7, 12, 17 & 19 -> para. 55 viz. "the remote sensor 368, which may be positioned in the plastic cartridge 34 (see Figure 3)";

claims 8 & 14 -> "the elongated electrically conductive member" is not claimed; re "electrically conductive component" see para. 44 i.e. "may include an antenna (or coil) for inductive coupling";

claim 9 -> e.g. fig. 1;

claims 10 & 11 -> para. 21 & fig. 3;

claims 13 & 20 -> defines a method step;

claim 16 -> NB "the robotic system is not claimed" thus, claim 16 defines a method of use i.e. "the drive shaft is powered by a motor";

claim 18 -> re "electrically conductive component" see para. 44; NB "the elongated electrically conductive member" is not claimed; thus, claim 16 defines a method of use i.e. "the electrically conductive component coupled to the elongated electrically conductive member";

### **3 Further remarks**

- 3.1 Independent apparatus claims should have been drafted in the two-part form in accordance with Rule 6.3(b) PCT.
- 3.2 The features of the claims are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).
- 3.3 Incorporation of documents by reference (e.g. on p. 1) is not possible in some of the Designated States.
- 3.4 The vague and imprecise statement ("the spirit ... of the invention") in the description in para. 254, 260, 293 and 325 implies that the subject-matter for which protection is sought may be different to that defined by the claims, thereby resulting in lack of clarity (Article 6 PCT) when used to interpret them.

Possible steps after receipt of the international search report (ISR) and written opinion of the International Searching Authority (WO-ISA)

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General information	For all international applications filed on or after 01/01/2004 the competent ISA will establish an ISR. It is accompanied by the WO-ISA. Unlike the former written opinion of the IPEA (Rule 66.2 PCT), the WO-ISA is not meant to be responded to, but to be taken into consideration for further procedural steps. This document explains about the possibilities.
Amending claims under Art. 19 PCT	Within 2 months after the date of mailing of the ISR and the WO-ISA the applicant may file amended claims under Art. 19 PCT directly with the International Bureau of WIPO. The PCT reform of 2004 did not change this procedure. For further information please see Rule 46 PCT as well as form PCT/ISA/220 and the corresponding Notes to form PCT/ISA/220.
Filing a demand for international preliminary examination	<p>In principle, the WO-ISA will be considered as the written opinion of the IPEA. This should, in many cases, make it unnecessary to file a demand for international preliminary examination. If the applicant nevertheless wishes to file a demand this must be done before expiry of 3 months after the date of mailing of the ISR/ WO-ISA or 22 months after priority date, whichever expires later (Rule 54bis PCT). Amendments under Art. 34 PCT can be filed with the IPEA as before, normally at the same time as filing the demand (Rule 66.1 (b) PCT).</p> <p>If a demand for international preliminary examination is filed and no comments/amendments have been received the WO-ISA will be transformed by the IPEA into an IPRP (International Preliminary Report on Patentability) which would merely reflect the content of the WO-ISA. The demand can still be withdrawn (Art. 37 PCT).</p>
Filing informal comments	After receipt of the ISR/WO-ISA the applicant may file informal comments on the WO-ISA directly with the International Bureau of WIPO. These will be communicated to the designated Offices together with the IPRP (International Preliminary Report on Patentability) at 30 months from the priority date. Please also refer to the next box.
End of the international phase	At the end of the international phase the International Bureau of WIPO will transform the WO-ISA or, if a demand was filed, the written opinion of the IPEA into the IPRP, which will then be transmitted together with possible informal comments to the designated Offices. The IPRP replaces the former IPER (international preliminary examination report).
Relevant PCT Rules and more information	Rule 43 PCT, Rule 43bis PCT, Rule 44 PCT, Rule 44bis PCT, PCT Newsletter 12/2003, OJ 11/2003, OJ 12/2003

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## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	13369609
<b>Filing Date:</b>	09-Feb-2012
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Filer:</b>	Thomas J. Edgington/Bonnie Petros
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2

Filed as Large Entity

### Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
<b>Extension-of-Time:</b>				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Miscellaneous:</b>				
Request for continued examination	1801	1	930	930
<b>Total in USD (\$)</b>				<b>930</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	15022947
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Customer Number:</b>	92223
<b>Filer:</b>	Thomas J. Edgington/Theresa Merante
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	22-FEB-2013
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	16:48:19
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$930
RAM confirmation Number	4121
Deposit Account	111110
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)



<b>File Listing:</b>					
<b>Document Number</b>	<b>Document Description</b>	<b>File Name</b>	<b>File Size(Bytes)/ Message Digest</b>	<b>Multi Part /.zip</b>	<b>Pages (if appl.)</b>
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Specification		2	2		
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Transmittal Letter		1	3		
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<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			87383310		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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**Request  
for  
Continued Examination (RCE)  
Transmittal**

Address to:  
Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Application Number	13/369,609
Filing Date	February 9, 2012
First Named Inventor	Frederick E. Shelton, IV
Art Unit	3721
Examiner Name	Brian D. Nash
Attorney Docket Number	END5924USCNT2/060339CON2

**This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.**

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

a.  Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

i.  Consider the arguments in the Appeal Brief or Reply Brief previously filed on \_\_\_\_\_

ii.  Other \_\_\_\_\_

b.  Enclosed

i.  Amendment/Reply

iii.  Information Disclosure Statement (IDS)

ii.  Affidavit(s)/ Declaration(s)

iv.  Other \_\_\_\_\_

2. **Miscellaneous**

a.  Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of \_\_\_\_\_ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

b.  Other \_\_\_\_\_

3. **Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to Deposit Account No. 11-1110.

a.  RCE fee required under 37 CFR 1.17(e)

ii.  Extension of time fee (37 CFR 1.136 and 1.17)

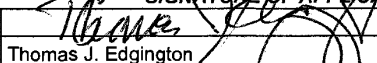
iii.  Other \_\_\_\_\_

b.  Check in the amount of \$ \_\_\_\_\_ enclosed

c.  Payment by credit card (Form PTO-2038 enclosed)

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

Signature		Date	February 22, 2013
Name (Print/Type)	Thomas J. Edgington	Registration No.	34,324

**CERTIFICATE OF MAILING OR TRANSMISSION**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Signature	_____	Date	_____
Name (Print/Type)	_____	Date	_____

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

END5924USCNT2/060339CON2  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit 3721	:	
Examiner Brian D. Nash	:	DRIVE INTERFACE FOR
	:	OPERABLY COUPLING A
In re application of	:	MANIPULATABLE SURGICAL
Frederick E. Shelton, IV	:	TOOL TO A ROBOT
	:	
	:	
Serial No. 13/369,609	:	
	:	
Filed: February 9, 2012	:	Confirmation No. 9149

**AMENDMENT ACCOMPANYING REQUEST FOR CONTINUED EXAMINATION**

Pittsburgh, Pennsylvania 15222

February 22, 2013

**VIA ELECTRONIC FILING**

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

A Notice of Allowance and Issue Fee Due was mailed on December 11, 2012 in connection with the above-identified application (the "Subject Application"). The issue fee has not yet been paid. Assignee of the entire right, title, and interest in and to the subject application (hereinafter "Applicant"), submits the following:

**Amendments to the Specification** begin on page 2 of this paper.

**Remarks** begin on page 3 of this paper.

**AMENDMENTS TO THE SPECIFICATION**

Please replace Paragraph [0154] with the following amended Paragraph:

[0154] It should be noted that although the embodiments of the instrument 10 described herein employ an end effector 12 that staples the severed tissue, in other embodiments different techniques for fastening or sealing the severed tissue may be used. For example, end effectors that use RF energy or adhesives to fasten the severed tissue may also be used. U.S. Patent No. 5,709,680, entitled "Electrosurgical Hemostatic Device" to Yates et al., and U.S. Patent No. 5,688,270, entitled "Electrosurgical Hemostatic Device With Recessed And/Or Offset Electrodes" to Yates et al., which are incorporated herein by reference, discloses cutting instruments that use RF energy to fasten the severed tissue. U.S. Patent Application Serial No. 11/267,811, now U.S. Patent No. 7,673,783, to Morgan et al. and U.S. Patent Application Serial No. 11/267,383, now U.S. Patent No. 7,607,557, to Shelton et al., which are also incorporated herein by reference, disclose cutting instruments that use adhesives to fasten the severed tissue. Accordingly, although the description herein refers to cutting/stapling operations and the like, it should be recognized that this is an exemplary embodiment and is not meant to be limiting. Other tissue-fastening techniques may also be used.

**REMARKS**

Applicant has amended paragraph [0154] which was previously amended on November 13, 2012. At the time of the previous amendment, a portion of the paragraph as originally filed with the application on February 9, 2012 was inadvertently omitted from the text.

**Status of Co-Owned Applications**

Applicant is the owner of the applications identified below. Applicant has set forth the status of these applications as presently understood by Applicant. Applicant presumes that the Examiner can obtain copies of the USPTO file histories and related documents for the identified applications. Should the Examiner be unable to obtain such documents, please contact Applicant's undersigned Attorney and copies of any necessary documents will be immediately provided.

(1) U.S. Patent Application Serial No. 13/118,259, entitled "Surgical Instrument With Wireless Communication Between a Control Unit of a Robotic System and Remote Sensor", **Status:** Applicant has not yet received an Action on the merits;

(2) U.S. Patent Application Serial No. 11/651,807, entitled "Surgical Instrument With Wireless Communication Between Control Unit and Remote Sensor", **Status:** A Notice of Allowance was mailed on February 5, 2013;

(3) U.S. Patent Application Serial No. 11/651,715, entitled "Surgical Instrument With Wireless Communication Between Control Unit and Sensor Transponders", **Status:** A Non-Final Office Action was mailed on December 3, 2012. Applicant has not yet responded to that Action;

(4) U.S. Patent Application Serial No. 11/651,806, entitled "Surgical Instrument With Elements To Communicate Between Control Unit and End Effector", **Status:** now U.S. Patent No. 7,954,682;

(5) U.S. Patent Application Serial No. 11/651,768, entitled "Prevention of Cartridge Reuse In a Surgical Instrument", **Status:** now U.S. Patent No. 7,721,931;

- (6) U.S. Patent Application Serial No. 11/651,771, entitled "Post-Sterilization Programming of Surgical Instruments", **Status:** now U.S. Patent No. 7,738,971;
- (7) U.S. Patent Application Serial No. 11/651,788, entitled "Interlock and Surgical Instrument Including Same", **Status:** now U.S. Patent No. 7,721,936;
- (8) U.S. Patent Application Serial No. 11/651,785, entitled "Surgical Instrument With Enhanced Battery Performance", **Status:** now U.S. Patent No. 7,900,805;
- (9) U.S. Patent Application Serial No. 13/118,210, entitled "Robotically-Controlled Disposable Motor Driven Loading Unit", **Status:** Applicant has not yet received an Action on the merits;
- (10) U.S. Patent Application Serial No. 13/118,194, entitled "Robotically-Controlled Endoscopic Accessory Channel", **Status:** A Non-Final Office Action was mailed on September 5, 2012. An Amendment was filed on December 3, 2012. A Notification of Non-Compliant Amendment was mailed on February 7, 2013. Applicant has not yet responded to that Action;
- (11) U.S. Patent Application Serial No. 13/118,253, entitled "Robotically-Controlled Motorized Surgical Instrument", **Status:** A Non-Final Office Action was mailed on September 26, 2012. An Amendment was filed on December 26, 2012;
- (12) U.S. Patent Application Serial No. 13/118,278, entitled "Robotically-Controlled Surgical Stapling Devices That Produce Formed Staples Having Different Lengths", **Status:** Applicant has not yet received an Action on the merits;
- (13) U.S. Patent Application Serial No. 13/118,190, entitled "Robotically-Controlled Motorized Surgical Cutting and Fastening Instrument", **Status:** A Non-Final Office Action was mailed on January 17, 2013. Applicant has not yet responded to that Action;
- (14) U.S. Patent Application Serial No. 13/118,223, entitled "Robotically-Controlled Shaft Based Rotary Drive Systems For Surgical Instruments", **Status:** Applicant has not yet received an Action on the merits;
- (15) U.S. Patent Application Serial No. 13/118,263, entitled "Robotically-Controlled Surgical Instrument Having Recording Capabilities", **Status:** Applicant has not yet received an Action on the merits;

(16) U.S. Patent Application Serial No. 13/118,272, entitled “Robotically-Controlled Surgical Instrument With Force Feedback Capabilities”, **Status:** Applicant has not yet received an Action on the merits;

(17) U.S. Patent Application Serial No. 13/118,246, entitled “Robotically-Driven Surgical Instrument With E-Beam Driver”, **Status:** Applicant has not yet received an Action on the merits;

(18) U.S. Patent Application Serial No. 13/118,241, entitled “Surgical Stapling Instruments With Rotatable Staple Deployment Arrangements”, **Status:** Applicant has not yet received an Action on the merits;

(19) U.S. Patent Application Serial No. 13/026,493, entitled “Surgical Instrument With Wireless Communication Between Control Unit and Remote Sensor”, **Status:** A Non-Final Office Action was mailed on July 25, 2012. A Response and Terminal Disclaimer were filed on October 25, 2012. A Request for Continued Examination along with an Information Disclosure Statement were filed on February 7, 2013.

(20) U.S. Patent Application Serial No. 13/037,498, entitled “Surgical Instrument With Wireless Communication Between Control Unit and Remote Sensor”, **Status:** Abandoned;

(21) U.S. Patent Application Serial No. 13/631,346, entitled “Surgical Instrument With Wireless Communication Between Control Unit and Remote Sensor”, **Status:** Applicant has not yet received an Action on the merits;

(22) U.S. Patent Application Serial No. 12/793,595, entitled “Surgical Instrument With Wireless Communication Between Control Unit and Sensor Transponders”, **Status:** A Non-Final Office Action was mailed on December 4, 2012. Applicant has not yet responded to that Action.

(23) U.S. Patent Application Serial No. 12/793,599, entitled “Interlock and Surgical Instrument Including Same”, **Status:** A Restriction Requirement was mailed on January 22, 2013. Applicant has not yet responded to that Action;

(24) U.S. Patent Application Serial No. 12/780,380, entitled “Post-Sterilization Programming of Surgical Instruments”, **Status:** Abandoned;

(25) U.S. Patent Application Serial No. 12/856,099, entitled “Disposable Motor-Driven Loading Unit For Use With a Surgical Cutting and Stapling Apparatus”, **Status:** now U.S. Patent No. 8,196,795;

(26) U.S. Patent Application Serial No. 12/031,628, entitled “Disposable Motor-Driven Loading Unit For Use With a Surgical Cutting and Stapling Apparatus”, **Status:** now U.S. Patent No. 7,793,812;

(27) U.S. Patent Application Serial No. 13/369,666, entitled “Robotically-Controlled Surgical End Effector System With Rotary Actuated Closure Systems”, **Status:** A Non-Final Office Action was mailed on February 7, 2013. Applicant has not yet responded to that Action;

(28) U.S. Patent Application Serial No. 11/277,324, entitled “Articulating Endoscopic Accessory Channel”, **Status:** A Non-Final Office Action was mailed on August 22, 2012. an Amendment was filed on November 21, 2012;

(29) U.S. Patent Application Serial No. 13/369,594, entitled “Robotically-Controlled Surgical Instrument With Selectively Articulatable End Effector”, **Status:** Applicant has not yet received an Action on the merits;

(30) U.S. Patent Application Serial No. 12/235,972, entitled “Motorized Surgical Instrument”, **Status:** A Final Office Action was mailed on September 6, 2011. A Response and Request for Continued Examination was filed on December 6, 2011;

(31) U.S. Patent Application Serial No. 13/369,588, entitled “Robotically-Controlled Motorized Surgical End Effector System With Rotary Actuated Closure Systems Having Variable Actuation Speeds”, **Status:** A Non-Final Office Action was mailed on November 9, 2012. An Amendment was filed on February 11, 2013;

(32) U.S. Patent Application Serial No. 11/711,979, entitled “Surgical Stapling Devices That Produce Formed Staples Having Different Lengths”, **Status:** now U.S. Patent No. 8,317,070;

(33) U.S. Patent Application Serial No. 11/216,562, entitled “Staple Cartridges For Forming Staples Having Differing Formed Staple Heights”, **Status:** now U.S. Patent No. 7,669,746;

(34) U.S. Patent Application Serial No. 13/369,629, entitled “Robotically-Controlled Cable-Based Surgical End Effectors”, **Status:** A Notice of Allowance was mailed on December 12, 2012. A Notice to File Corrected Application Papers was mailed on January 15, 2013. An Amendment After Final was filed on February 5, 2013;

(35) U.S. Patent Application Serial No. 12/031,567, entitled “Motorized Surgical Cutting and Fastening Instrument Having Handle Based Power Source”, **Status:** A Non-Final Rejection was mailed on February 6, 2013. Applicant has not yet responded to that Action;

(36) U.S. Patent Application Serial No. 13/369,584, entitled “Surgical Stapling Instruments With Cam-Driven Staple Deployment Arrangements”, **Status:** A Notice of Allowance was mailed on November 26, 2012. A Request for Continued Examination along with an Information Disclosure Statement was filed on February 14, 2013;

(37) U.S. Patent Application Serial No. 13/020,053, entitled “Shaft Based Rotary Drive System For Surgical Instruments”, **Status:** now U.S. Patent No. 8,196,796;

(38) U.S. Patent Application Serial No. 11/810,015, entitled “Surgical Instrument Having a Multiple Rate Directional Switching Mechanism”, **Status:** now U.S. Patent No. 7,905,380;

(39) U.S. Patent Application Serial No. 13/369,578, entitled “Shiftable Drive Interface For Robotically-Controlled Surgical Tool”, **Status:** A Notice of Allowance was mailed on November 13, 2012. A Request for Continued Examination along with an Information Disclosure Statement was filed on February 4, 2013;

(40) U.S. Patent Application Serial No. 12/949,099, entitled “Surgical Instrument Having Recording Capabilities”, **Status:** now U.S. Patent No. 8,167,185;

(41) U.S. Patent Application Serial No. 11/343,803, entitled “Surgical Instrument Having Recording Capabilities”, **Status:** now U.S. Patent No. 7,845,537;

(42) U.S. Patent Application Serial No. 13/369,561, entitled “Automated End Effector Component Reloading System For Use With a Robotic System”, **Status:** Applicant has not yet received an Action on the merits;



(43) U.S. Patent Application Serial No. 13/369,569, entitled “Robotically-Controlled Surgical Instrument With Force-Feedback Capabilities”, **Status:** A Final Office Action was mailed on January 8, 2013. Applicant has not yet responded to that Action;

(44) U.S. Patent Application Serial No. 13/372,195, entitled “Robotically-Controlled End Effector”, **Status:** Applicant has not yet received an Action on the merits;

(45) U.S. Patent Application Serial No. 11/538,154, entitled “Articulating Surgical Stapling Instrument Incorporating a Two-Piece E-Beam Firing Mechanism”, **Status:** Abandoned;

(46) U.S. Patent Application Serial No. 10/443,617, entitled “Surgical Stapling Instrument Incorporating an E-Beam Firing Mechanism”, **Status:** now U.S. Patent No. 6,978,921;

(47) U.S. Patent Application Serial No. 13/369,601, entitled “Robotically-Controlled Surgical End Effector System”, **Status:** A Non-Final Office Action was mailed on November 21, 2012. An Amendment was filed on February 19, 2013; and

(48) U.S. Patent Application Serial No. 13/489,500, **Status:** A Non-Final Office Action was mailed on September 5, 2012. Applicant has not yet responded to that Action.

*Application Serial No. 13/369,609  
Amendment After Allowance dated February 22, 2013*

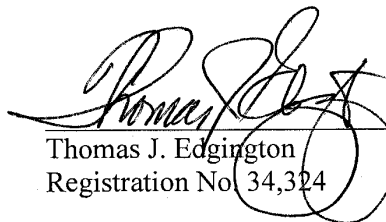
**Conclusion**

Therefore, Applicants respectfully request that the Primary Examiner recommend that the present amendment be entered in connection with the Subject Application.

If the Examiner has any remaining concerns, the Examiner is invited to contact the undersigned at the telephone number set forth below so that such concerns may be expeditiously addressed.

The Office is hereby authorized to charge any underpayments of fees, or credit any overpayments, to Deposit Account No. 11-1110.

Respectfully submitted,



Thomas J. Edgington  
Registration No. 34,324

Attorney for Applicant

K&L GATES LLP  
K&L Gates Center  
210 Sixth Avenue  
Pittsburgh, Pennsylvania 15222  
(412) 355-8303

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner: Brian D. Nash :  
In re application of : DRIVE INTERFACE FOR OPERABLY  
Frederick E. Shelton, IV : COUPLING A MANIPULATABLE SURGICAL  
Group Art Unit No. 3721 : TOOL TO A ROBOT  
Serial No.: 13/369,609 : Filing Date: February 9, 2012

INFORMATION DISCLOSURE STATEMENT

Pittsburgh, Pennsylvania 15222

February 22, 2013

VIA ELECTRONIC FILING

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Assignee of the entire right, title and interest in and to the above-captioned application (hereinafter "Applicant"), in accordance with the duty of disclosure pursuant to 37 C.F.R. § 1.56, hereby advises the United States Patent and Trademark Office of the references listed on the accompanying forms PTO/SB/08a and PTO/SB/08b (substitute for 1449/PTO) *Information Disclosure Statement by Applicant*. A copy of each of the non-U.S. patent references cited therein is herewith enclosed. Applicant is not enclosing copies of the yet-to-be-published patent applications cited herein and

which may be accessed by the Examiner on the United States Patent and Trademark Office's PAIR database. However, copies of such documents will be provided upon request.

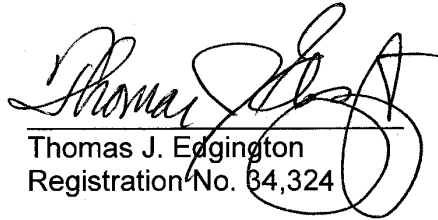
Applicant notes that although the cited references may be relevant to the examination of the above-referenced application, under 37 C.F.R. § 1.97(h), the filing of this *Information Disclosure Statement* "shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b)."

Applicant files herewith:

- a European Examination Report which was issued in connection with corresponding European Application Number 08250100.8 on February 19, 2009.
- A European Search Report which was issued in connection with corresponding European Application Number 08250080.2 on November 4, 2009.
- A European Examination Report which was issued in connection with corresponding European Application Number 08250093.5 on June 14, 2010.
- A European Examination Report which was issued in connection with corresponding European Application Number 08250080.2 on June 14, 2010.
- An International Search Report which was issued in connection with corresponding PCT Application Number PCT/US2012/026997 on May 7, 2012.
- A Written Opinion which was issued in connection with corresponding PCT Application Number PCT/US2012/026997 on May 7, 2012.
- An International Search Report which was issued in connection with corresponding PCT Application Number PCT/US2012/039156 on October 29, 2012.
- A Written Opinion which was issued in connection with corresponding PCT Application Number PCT/US2012/039156 on October 29, 2012.
- A European Search Report which was issued in connection with European Application Number 12173458.6 on December 6, 2012.

Applicant submits that no fee is necessary for consideration of this *Information Disclosure Statement* under 37 C.F.R. § 1.97(b)(4). Nevertheless, the Office is hereby authorized to charge Account No. 11-1110 for any fees necessary for consideration of this *Information Disclosure Statement*.

Respectfully submitted,



Thomas J. Edgington  
Registration No. 64,324

K&L Gates LLP  
K&L Gates Center  
210 Sixth Avenue  
Pittsburgh, Pennsylvania 15222-2613

(412) 355-8303  
(412) 355-6501 (FAX)

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	15024495
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Customer Number:</b>	92223
<b>Filer:</b>	Thomas J. Edgington/Theresa Merante
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	22-FEB-2013
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	16:51:47
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Foreign Reference	EP0771176B2.pdf	1248420 537031ceb512376568f379d9fb5667aeac4451dd	no	18

### Warnings:

### Information:

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<b>Total Files Size (in bytes):</b>				59992308	
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## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	15024876
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Customer Number:</b>	92223
<b>Filer:</b>	Thomas J. Edgington/Theresa Merante
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	22-FEB-2013
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	16:53:17
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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<b>Total Files Size (in bytes):</b>				84607777	
<p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  <b>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  <b>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  <b>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</b></p>					

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	15027278
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Customer Number:</b>	92223
<b>Filer:</b>	Thomas J. Edgington/Theresa Merante
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	22-FEB-2013
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	16:56:34
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

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<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	15026908
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Customer Number:</b>	92223
<b>Filer:</b>	Thomas J. Edgington/Theresa Merante
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	22-FEB-2013
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	16:55:08
<b>Application Type:</b>	Utility under 35 USC 111(a)

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<b>Total Files Size (in bytes):</b>				88861888	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	15027683
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Customer Number:</b>	92223
<b>Filer:</b>	Thomas J. Edgington/Theresa Merante
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	22-FEB-2013
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	16:58:30
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

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<p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  <b>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  <b>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  <b>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</b></p>					

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	15029327
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Customer Number:</b>	92223
<b>Filer:</b>	Thomas J. Edgington/Theresa Merante
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	22-FEB-2013
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	17:03:07
<b>Application Type:</b>	Utility under 35 USC 111(a)

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<b>Total Files Size (in bytes):</b>			57758608		

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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	15029098
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Customer Number:</b>	92223
<b>Filer:</b>	Thomas J. Edgington/Theresa Merante
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	22-FEB-2013
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	17:01:40
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

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<p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  <b>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  <b>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  <b>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</b></p>					

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	15028744
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Customer Number:</b>	92223
<b>Filer:</b>	Thomas J. Edgington/Theresa Merante
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	22-FEB-2013
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	17:00:01
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Foreign Reference	WO2004047653A2.pdf	1176885 d7e80dfb3c8c2ded5904c5cb6147d44e20c564c8	no	35

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### Information:

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<b>Total Files Size (in bytes):</b>			143217995		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

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<b>PATENT APPLICATION FEE DETERMINATION RECORD</b> Substitute for Form PTO-875					Application or Docket Number <b>13/369,609</b>		Filing Date <b>02/09/2012</b>		<input type="checkbox"/> To be Mailed								
<b>APPLICATION AS FILED – PART I</b>																	
(Column 1)			(Column 2)			SMALL ENTITY <input type="checkbox"/>		OR			OTHER THAN SMALL ENTITY						
FOR		NUMBER FILED	NUMBER EXTRA		RATE (\$)	FEE (\$)	OR		RATE (\$)	FEE (\$)							
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>		N/A	N/A		N/A				N/A								
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (i), or (m))</small>		N/A	N/A		N/A		OR		N/A								
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>		N/A	N/A		N/A				N/A								
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>		minus 20 =	*		X \$ =		OR		X \$ =								
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>		minus 3 =	*		X \$ =				X \$ =								
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).															
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>																	
* If the difference in column 1 is less than zero, enter "0" in column 2.																	
<b>APPLICATION AS AMENDED – PART II</b>										SMALL ENTITY		OR		OTHER THAN SMALL ENTITY			
(Column 1)			(Column 2)			(Column 3)			RATE (\$)		ADDITIONAL FEE (\$)		RATE (\$)		ADDITIONAL FEE (\$)		
AMENDMENT	<b>02/22/2013</b>		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	OR		OR		OR		OR				
	Total <small>(37 CFR 1.16(i))</small>	* 28	Minus	** 28	= 0	X \$ =										X \$62=	0
	Independent <small>(37 CFR 1.16(h))</small>	* 6	Minus	***6	= 0	X \$ =		X \$250=	0								
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>																
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>																
TOTAL ADD'L FEE												OR		TOTAL ADD'L FEE		<b>0</b>	
AMENDMENT			CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	OR		OR		OR		OR				
	Total <small>(37 CFR 1.16(i))</small>	*	Minus	**	=	X \$ =										X \$ =	
	Independent <small>(37 CFR 1.16(h))</small>	*	Minus	***	=	X \$ =		X \$ =									
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>																
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>																
TOTAL ADD'L FEE												OR		TOTAL ADD'L FEE			
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.																	
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".																	
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".																	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.																	
										Legal Instrument Examiner: <b>/LINDA A. WASHINGTON/</b>							

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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NOTICE OF ALLOWANCE AND FEE(S) DUE

92223 7590 03/07/2013
K&L Gates LLP
210 SIXTH AVENUE
PITTSBURGH, PA 15222-2613

EXAMINER

NASH, BRIAN D

ART UNIT PAPER NUMBER

3721

DATE MAILED: 03/07/2013

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

13/369,609 02/09/2012 Frederick E. Shelton IV END5924USCNT2/060339CON2 9149

TITLE OF INVENTION: DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

nonprovisional NO \$1770 \$300 \$0 \$2070 06/07/2013

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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92223                      7590                      03/07/2013  
**K&L Gates LLP**  
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_____ (Depositor's name)
_____ (Signature)
_____ (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/369,609	02/09/2012	Frederick E. Shelton IV	END5924USCNT2/060339CON2	9149

TITLE OF INVENTION: DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1770	\$300	\$0	\$2070	06/07/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
NASH, BRIAN D	3721	227-175100

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. <b>Use of a Customer Number is required.</b></p>	<p>2. For printing on the patent front page, list</p> <p>(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____</p> <p>(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____</p> <p>3 _____</p>
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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE \_\_\_\_\_ (B) RESIDENCE: (CITY and STATE OR COUNTRY) \_\_\_\_\_

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

<p>4a. The following fee(s) are submitted:</p> <p><input type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).</p>
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5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

92223 7590 03/07/2013
K&L Gates LLP
210 SIXTH AVENUE
PITTSBURGH, PA 15222-2613

EXAMINER

NASH, BRIAN D

ART UNIT PAPER NUMBER

3721

DATE MAILED: 03/07/2013

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## Privacy Act Statement

**The Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	13/369,609	SHELTON, FREDERICK E.	
	<b>Examiner</b>	<b>Art Unit</b>	
	BRIAN D. NASH	3721	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to RCE filed 2/22/2013.
2.  An election was made by the applicant in response to a restriction requirement set forth during the interview on \_\_\_\_; the restriction requirement and election have been incorporated into this action.
3.  The allowed claim(s) is/are 1 and 4-30. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see [http://www.uspto.gov/patents/init\\_events/pph/index.jsp](http://www.uspto.gov/patents/init_events/pph/index.jsp) or send an inquiry to [PPHfeedback@uspto.gov](mailto:PPHfeedback@uspto.gov).
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some\*    c)  None    of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has **THREE MONTHS FROM THE "MAILING DATE"** of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input checked="" type="checkbox"/> Examiner's Amendment/Comment       |
| 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date ____ | 6. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material        | 7. <input type="checkbox"/> Other ____.                                   |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date ____.                             |   |

/BRIAN D NASH/  
Primary Examiner, Art Unit 3721

Art Unit: 3721

**DETAILED ACTION**

***Examiner's Comments***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/22/2013 has been entered. The pending claims remain 1 and 4-30.
2. As previously stated in the Notice of Allowance mailed 12/11/2012, all matters of form have been remedied and applicant's amendment has combined the indicated allowable subject matter with their respective base claims which now places the application in condition for allowance over the prior art of record. The prior art of record shows similar examples of elements disclosed in applicant's invention; however, it is the examiner's opinion that it would not have been obvious to one having ordinary skill in the art at the time of the invention to combine or modify the prior art in order to arrive at applicant's invention.

***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Nash whose telephone number is 571-272-4465. The examiner can normally be reached on Monday – Friday from 8 a.m. to 4 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, M. Alexandra Elve can be reached at 571-272-1173. The official fax number for this Group is: 571-273-8300.
4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. For more information about the PAIR system, see [www.uspto.gov](http://www.uspto.gov). Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Brian D. Nash/  
Primary Examiner, Art Unit 3721  
2/25/2013



## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	47	("20030093103"   "20060212069"   "20080167522"   "20080167672"   "20080308603"   "20090206131"   "20110288573"   "20110290851"   "20110290853"   "20110290854"   "20110290856"   "20110295242"   "20110295269"   "20110295270"   "20110295295"   "20120298719"   "5465895"   "5653677"   "5688270"   "5693042"   "5709680"   "5792135"   "5817084"   "5878193"   "6132368"   "6231565"   "6364888"   "6648816"   "6978921"   "6981628"   "7077856"   "7416101"   "7524320"   "7607557"   "7670334"   "7673781"   "7673783"   "7691098"   "7721931"   "7721936"   "7726537"   "7738971"   "7806891"   "7824401"   "7900805"   "7954682"   "8167185").PN.	US-PGPUB; USPAT	OR	OFF	2013/02/25 10:38
L2	21	1 and anvil and cartridge and spine and gear	US-PGPUB; USPAT	OR	OFF	2013/02/25 10:40
S6	1076	227/176.1,19,179.1,180.1,181.1,182.1.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/27 08:53
S7	401	S6 and jaw and cartridge	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/27 08:53
S8	298	S7 and (trigger or handle) and anvil and (sever or cut or knife or blade)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/27 09:12
S9	142	"606"/\$.ccls. and ((jaw or anvil) with (grip or ridge)) and cartridge and (trigger or handle) and (sever or cut or knife or blade)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/27 09:14
S10	80	"606"/\$.ccls. and ((jaw or anvil) with (gripping or ridged)) and cartridge and (trigger or handle) and (sever or cut or knife or blade)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/27 09:14
S11	97	"227"/\$.ccls. and ((jaw or anvil) with (gripping or ridged)) and cartridge and (trigger or handle) and (sever or cut or knife or blade)	US-PGPUB; USPAT; EPO;	OR	ON	2006/09/27 09:14

			JPO			
S14	46	"227"/\$ and stapler and ((upper or lower) with jaw) and ((clamp or grip) same tissue) and anvil and cartridge and handle and trigger	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/27 09:50
S15	44	"606"/\$ and stapler and ((upper or lower) with jaw) and ((clamp or grip) same tissue) and anvil and cartridge and handle and trigger	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/27 09:50
S18	140	("2448741"   "3054406"   "3314431"   "3494533"   "3593903"   "3643851"   "3763860"   "3777538"   "3837555"   "3871379"   "3955581"   "0312413"   "0389660"   "4014492"   "4027510"   "4043504"   "4127227"   "4196836"   "4204623"   "4207873"   "4256251"   "4261244"   "4296751"   "4316468"   "4317535"   "4321002"   "4347847"   "4349028"   "4375866"   "4391402"   "4399810"   "4403693"   "4406392"   "4407286"   "4452245"   "4454875"   "4470532"   "4485816"   "4485953"   "4489875"   "4496090"   "4505273"   "4506819"   "4509518"   "4519532"   "4520817"   "4523695"   "4523707"   "4526174"   "4527724"   "4527726"   "4532927"   "4550715"   "4562839"   "4566620"   "4573622"   "4583670"   "4591086"   "4592498"   "4596350"   "4603693"   "4607638"   "4610251"   "4610383"   "4616650"   "4618086"   "4624254"   "4634035"   "4655221"   "4662373"   "4662555"   "4664305"   "4665906"   "4671279"   "4688555"   "4691853"   "4706655"   "4706668"   "4719917"   "4728020"   "4747531"   "4763669"   "4784137"   "4787387"   "4789090"   "4802478"   "4807628"   "4811886"   "4821939"   "4821942"   "4838884"   "4841888"   "4872456"   "4874122"   "4880015"   "4887601"   "4887756"   "4899745"   "4919112"   "4919152"   "4919320"   "4919391"   "4934364"   "4944443"   "4951861"   "4978049"   "4997436"   "5002551"   "5015249"   "5040715"   "5042707"   "5047038"   "5049152"   "5049153"   "5053038"   "5071430"   "5084057"   "5100420"   "5125553"   "5147373"   "5156609"   "5161725"   "5163945"   "5174487"   "5176702"   "5220928"   "5222975"   "5240163"   "5246156"   "5246450"   "5251801"   "5381943"   "RE28932"   "RE33362").PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/16 08:32
S19	1	("20040173659").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/08/16 08:32
S23	6	606/139.ccls. and stapler and cartridge and	US-	OR	ON	2009/02/20

		anvil and (control same articulate)	PGPUB; USPAT; EPO; JPO			10:40
S25	96	"227"/\$ and stapler and ((upper or lower) with jaw) and ((clamp or grip) same tissue) and anvil and cartridge and handle and trigger	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/08 11:46
S26	73	"606"/\$ and stapler and ((upper or lower) with jaw) and ((clamp or grip) same tissue) and anvil and cartridge and handle and trigger	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/08 11:46
S27	8	606/139.ccls. and stapler and cartridge and anvil and (control same articulate)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/08 11:47
S28	118	S25 S26 S27	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/08 11:47
S29	115	S28 and (pivot or articulate)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/08 11:47
S30	1	"20090314820"	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/12/29 08:46
S31	701	((DAVID) near2 (GREEN)).INV.	US- PGPUB; USPAT; USOCR	OR	ON	2009/12/29 09:16
S32	128	((HENRY) near2 (BOLANOS)).INV.	US- PGPUB; USPAT; USOCR	OR	ON	2009/12/29 09:38
S33	117	((WAYNE) near2 (YOUNG)).INV.	US- PGPUB; USPAT; USOCR	OR	ON	2009/12/29 09:38
S34	47	((STEPHAN) near2 (DEFONZO)).INV.	US- PGPUB; USPAT; USOCR	OR	ON	2009/12/29 09:39
S35	800	S31 S32 S33 S34	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/12/29 09:39
S36	192	S35 and staple	US- PGPUB; USPAT; EPO; JPO	OR	ON	2009/12/29 09:40

S37	160	S35 and staple and (clutch or pusher)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/12/29 09:40
S38	199	(US-20060180634-\$ or US-20060175375-\$ or US-20060025816-\$ or US-20060097026-\$ or US-20060060630-\$ or US-20060049230-\$ or US-20060022015-\$ or US-20060022014-\$ or US-20060000868-\$ or US-20050173490-\$ or US-20060000867-\$ or US-20050263562-\$ or US-20050178813-\$ or US-20050070958-\$ or US-20050070925-\$ or US-20050023324-\$ or US-20050067459-\$ or US-20050067458-\$ or US-20050067457-\$ or US-20040232196-\$ or US-20040232200-\$ or US-20040232199-\$ or US-20040232197-\$ or US-20040232195-\$ or US-20060212069-\$ or US-20030009193-\$).did. or (US-7059508-\$ or US-7083075-\$ or US-6988649-\$ or US-7044352-\$ or US-7000819-\$ or US-7000818-\$ or US-6905057-\$ or US-6978921-\$ or US-6959852-\$ or US-5690269-\$ or US-H002037-\$ or US-H001904-\$ or US-5901895-\$ or US-5797538-\$ or US-5540375-\$ or US-5485947-\$ or US-5779130-\$ or US-5653374-\$ or US-5636780-\$ or US-5364001-\$ or US-5484095-\$ or US-5482197-\$ or US-5456401-\$ or US-5326013-\$ or US-5312023-\$ or US-5307976-\$).did. or (US-7070083-\$ or US-6755338-\$ or US-5680982-\$ or US-5487500-\$ or US-5484451-\$ or US-5397324-\$ or US-5318221-\$ or US-5240163-\$ or US-5040715-\$ or US-4951861-\$ or US-4787387-\$ or US-4662555-\$ or US-4610383-\$ or US-4520817-\$ or US-4399810-\$ or US-4375866-\$ or US-5071430-\$ or US-5084057-\$ or US-4691853-\$ or US-5156609-\$ or US-4944443-\$ or US-4919152-\$ or US-4841888-\$ or US-4821942-\$ or US-4784137-\$ or US-4728020-\$ or US-4573622-\$).did. or (US-4566620-\$ or US-4519532-\$ or US-4978049-\$ or US-4256251-\$ or US-4027510-\$ or US-RE28932-\$ or US-3777538-\$ or US-3593903-\$ or US-4664305-\$ or US-5042707-\$ or US-5381943-\$ or US-5176702-\$ or US-5174487-\$ or US-5163945-\$ or US-5161725-\$ or US-5053038-\$ or US-5049153-\$ or US-5049152-\$ or US-5047038-\$ or US-5015249-\$ or US-5002551-\$ or US-4997436-\$ or US-4919391-\$ or US-4919320-\$ or US-4919112-\$ or US-4899745-\$ or US-4887756-\$).did. or (US-4887601-\$ or US-4880015-\$ or US-4874122-\$ or US-4872456-\$ or US-4821939-\$ or US-4811886-\$ or US-4807628-\$ or US-4802478-\$ or US-4789090-\$ or US-5251801-\$ or US-5246450-\$ or US-5246156-\$ or US-5222975-\$ or US-5220928-\$ or US-5147373-\$ or US-5125553-\$ or US-5100420-\$ or US-RE33362-\$ or US-4934364-\$ or US-4747531-\$ or US-4719917-\$ or US-4706668-\$ or US-4706655-\$ or US-4671279-\$ or US-4665906-\$ or US-4662373-\$ or US-4655221-\$).did. or (US-4618086-\$ or US-4616650-\$ or US-4610251-\$ or US-4596350-\$ or US-4592498-\$ or US-	US-PGPUB; USPAT; EPO	OR	ON	2009/12/29 10:08

		4591086-\$ or US-4550715-\$ or US-4532927-\$ or US-4527726-\$ or US-4527724-\$ or US-4523695-\$ or US-4509518-\$ or US-4506819-\$ or US-4489875-\$ or US-4485953-\$ or US-4485816-\$ or US-4452245-\$ or US-4407286-\$ or US-4838884-\$ or US-4688555-\$ or US-4763669-\$ or US-4634035-\$ or US-4454875-\$ or US-4607638-\$ or US-4624254-\$ or US-4583670-\$ or US-4603693-\$.did. or (US-4523707-\$ or US-4562839-\$ or US-4496090-\$ or US-4526174-\$ or US-4406392-\$ or US-4403693-\$ or US-4347847-\$ or US-4321002-\$ or US-4317535-\$ or US-4296751-\$ or US-4261244-\$ or US-4207873-\$ or US-4204623-\$ or US-3955581-\$ or US-3314431-\$ or US-4505273-\$ or US-4349028-\$ or US-4470532-\$ or US-4316468-\$ or US-4391402-\$ or US-4196836-\$ or US-4127227-\$ or US-3643851-\$ or US-3494533-\$ or US-3871379-\$ or US-3837555-\$ or US-3763860-\$.did. or (US-4043504-\$ or US-4014492-\$ or US-3054406-\$ or US-2448741-\$ or US-0389660-\$ or US-0312413-\$.did. or (DE-4204623-\$ or DE-4127227-\$ or DE-3837555-\$ or WO-3054406-\$ or DE-4321002-\$ or DE-4207873-\$.did.				
S39	39	S38 and staple and (clutch or pawl) and (pusher or trigger)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/12/29 10:09
S40	12	(US-3955581-\$ or US-RE28932-\$ or US-4204623-\$ or US-4391402-\$ or US-5484095-\$ or US-5289963-\$ or US-5312023-\$ or US-3892228-\$ or US-4728020-\$ or US-5484451-\$ or US-5452836-\$ or US-5547117-\$.did.	USPAT	OR	ON	2009/12/30 15:19
S41	7	S40 and (clutch or pawl)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/12/30 15:38
S42	12	(US-3955581-\$ or US-RE28932-\$ or US-4204623-\$ or US-4391402-\$ or US-5484095-\$ or US-5289963-\$ or US-5312023-\$ or US-3892228-\$ or US-4728020-\$ or US-5484451-\$ or US-5452836-\$ or US-5547117-\$.did.	USPAT	OR	ON	2009/12/30 16:57
S43	3	((("7624903") or ("5364002") or ("5289963")).PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/05/06 15:41
S44	16	227/175.3.ccls. and (tactile or indicator)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/09 21:46
S45	11	606/139.ccls. and stapler and cartridge and anvil and (control same articulate)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/09 21:46
S46	105	"227"/\$ and stapler and ((upper or lower)	US-	OR	ON	2010/07/09



		with jaw) and ((clamp or grip) same tissue) and anvil and cartridge and handle and trigger	PGPUB; USPAT; EPO; JPO			21:47
S47	1657	227/176.1,19,179.1,180.1,181.1,182.1.ccls.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/09 21:47
S48	779	S47 and jaw and cartridge	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/09 21:47
S49	657	S48 and (trigger or handle) and anvil and (sever or cut or knife or blade)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/09 21:47
S50	1	("20090095790").PN.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/07/13 14:16
S51	73	((MICHAEL) near2 (WHITMAN)).INV.	US- PGPUB; USPAT; USOCR	OR	ON	2010/07/13 14:17
S52	15	((DONALD) near2 (MALINOUSKAS)).INV.	US- PGPUB; USPAT; USOCR	OR	ON	2010/07/13 14:18
S53	16	((PETER) near2 (DATCUK)).INV.	US- PGPUB; USPAT; USOCR	OR	ON	2010/07/13 14:18
S54	251	((DAVID) near2 (NICHOLAS)).INV.	US- PGPUB; USPAT; USOCR	OR	ON	2010/07/13 14:19
S55	335	S51 S52 S53 S54	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/13 14:19
S56	24	S55 and jaw and gear and shaft	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/13 14:20
S57	12	(US-3955581-\$ or US-RE28932-\$ or US-4204623-\$ or US-4391402-\$ or US-5484095-\$ or US-5289963-\$ or US-5312023-\$ or US-3892228-\$ or US-4728020-\$ or US-5484451-\$ or US-5452836-\$ or US-5547117-\$).did.	USPAT	OR	ON	2010/07/13 16:28
S58	391	227/175.1,19,175.2,179.1,180.1.ccls. and (jaw or clamp) and gear	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/13 16:33

S59	304	227/175.1,19,175.2,179.1,180.1.ccls. and ((jaw or clamp) same (closed or pivot)) and gear	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/13 16:34
S60	178	227/19.ccls. and ((staples or fastener) with (array or row)) and jaw and gear	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/13 21:19
S61	242	"227"/\$.ccls. and shaft and effector and (pivot or roatate) and (jaw or anvil) and gear	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/13 21:30
S62	168	"227"/\$.ccls. and shaft and (effector with (pivot or roatate)) and (jaw or anvil) and gear	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/13 21:31
S63	165	"227"/\$.ccls. and shaft and (effector with (pivot or roatate)) and (jaw or anvil) and gear and (row or array or cartridge)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/13 21:31
S64	215	("2448741"   "3079606"   "3490675"   "3499591"   "3593903"   "3618842"   "3643851"   "3662939"   "3675688"   "3717294"   "3735762"   "3788303"   "3815476"   "3819100"   "3837555"   "3892228"   "3949924"   "4086926"   "4111206"   "4169476"   "4207873"   "4273129"   "4331277"   "4349028"   "4383634"   "4429695"   "4520817"   "4562839"   "4566620"   "4573468"   "4573622"   "4580712"   "4606343"   "4610383"   "4633874"   "4671445"   "4688555"   "4714187"   "4715520"   "4728020"   "4754909"   "4763669"   "4784137"   "4819853"   "4821942"   "4848637"   "4880015"   "4941623"   "4944443"   "4955959"   "4978049"   "5018657"   "5040715"   "5042707"   "5047038"   "5071430"   "5170925"   "Re28932").PN. OR ("5312023").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/13 21:54
S65	179	("3079606"   "3490675"   "4244372"   "4429695"   "4520817"   "4589413"   "4605001"   "4608981"   "4610383"   "4633861"   "4633874"   "4672964"   "4763669"   "4863088"   "4880015"   "4892244"   "4978049"   "4991764"   "5040715"   "5065929"   "5071052"   "5074454"   "5083695"   "5111987"   "5129570"   "5141144"   "5152279"   "5209747"   "5275608"   "5282826"   "5307976"   "5312023"   "5318221"   "5326013"   "5330502"   "5332142"   "5350391"   "5354311"   "5374277"   "5376095"   "5383888"   "5397046"   "5415334"   "5415335"   "5433721"   "5465895"   "5467911"   "5474566"   "5474571"   "5484451"   "5486185"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/13 21:55

		"5487500"   "5507426"   "5535935"   "5582617"   "5605272"   "5630539"   "5762255"   "5797537"   "5820009"   "5901895"   "6010054"   "6032849"   "Re34519").PN. OR ("6241139").URPN.				
S66	104	("5605272"   "5743456"   "5779130"   "5797537"   "5829662"   "5893506"   "5901895"   "5964394"   "6010054"   "6202914"   "6330965").PN. OR ("6786382").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/07/13 21:56
S67	182	227/19.ccls. and ((staples or fastener) with (array or row)) and jaw and gear	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/08/28 15:10
S68	7	128/898.ccls. and ((staples or fastener) with (array or row)) and jaw and gear	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/08/28 15:10
S69	5570	128/898.ccls.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/08/28 15:10
S70	2	((("20070023477") or ("7241288")).PN.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/11/19 16:42
S71	1	("2007002377").PN.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/11/19 16:42
S72	1	("20110240714").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2012/05/05 16:27
S73	545	(US-20060180634-\$ or US-20060175375-\$ or US-20060025816-\$ or US-20060097026-\$ or US-20060060630-\$ or US-20060049230-\$ or US-20060022015-\$ or US-20060022014-\$ or US-20060000868-\$ or US-20050173490-\$ or US-20060000867-\$ or US-20050263562-\$ or US-20050178813-\$ or US-20050070958-\$ or US-20050070925-\$ or US-20050023324-\$ or US-20050067459-\$ or US-20050067458-\$ or US-20050067457-\$ or US-20040232196-\$ or US-20040232200-\$ or US-20040232199-\$ or US-20040232197-\$ or US-20040232195-\$ or US-20060212069-\$ or US-20030009193- \$).did. or (US-20090105535-\$ or US- 20040173659-\$ or US-20090314820-\$ or US- 20090095790-\$ or US-20100161399-\$ or US- 20100151525-\$ or US-20100143247-\$ or US- 20100112139-\$ or US-20100087841-\$ or US- 20100033478-\$ or US-20100031114-\$ or US- 20100030233-\$ or US-20100025452-\$ or US- 20100018890-\$ or US-20100007517-\$ or US- 20090311384-\$ or US-20090298807-\$ or US-	US- PGPUB; USPAT; EPO	OR	OFF	2012/05/05 17:46

20090292842-\$ or US-20090271477-\$ or US-20090230138-\$ or US-20090222384-\$ or US-20090221828-\$ or US-20090204547-\$ or US-20090198298-\$ or US-20090197748-\$ or US-20090182193-\$ or US-20090174764-\$).did. or (US-20090146596-\$ or US-20090105240-\$ or US-20090101692-\$ or US-20090099876-\$ or US-20090087464-\$ or US-20090049733-\$ or US-20090039088-\$ or US-20090001688-\$ or US-20080306975-\$ or US-20080243666-\$ or US-20080127347-\$ or US-20080079179-\$ or US-20080034329-\$ or US-20070277843-\$ or US-20070220286-\$ or US-20070192229-\$ or US-20070175337-\$ or US-20070162072-\$ or US-20070130044-\$ or US-20070112671-\$ or US-20070101135-\$ or US-20070075116-\$ or US-20070060618-\$ or US-20070057014-\$ or US-20070056932-\$ or US-20070055304-\$ or US-20070055219-\$).did. or (US-20070023477-\$ or US-20070023476-\$ or US-20060265391-\$ or US-20060259071-\$ or US-20060247148-\$ or US-20060235855-\$ or US-20060210677-\$ or US-20060206124-\$ or US-20060089628-\$ or US-20060020213-\$ or US-20060019564-\$ or US-20050247136-\$ or US-20050210847-\$ or US-20050192609-\$ or US-20050187576-\$ or US-20050177311-\$ or US-20050144086-\$ or US-20050125240-\$ or US-20050076050-\$ or US-20050063099-\$ or US-20050011978-\$ or US-20050011977-\$ or US-20040267898-\$ or US-20040246639-\$ or US-20040242969-\$ or US-20040219220-\$ or US-20040215524-\$).did. or (US-20040204297-\$ or US-20040176479-\$ or US-20040153124-\$ or US-20040149802-\$ or US-20040111081-\$ or US-20040111012-\$ or US-20040100139-\$ or US-20040097958-\$ or US-20040094597-\$ or US-20040083915-\$ or US-20040078214-\$ or US-20040078047-\$ or US-20040073033-\$ or US-20040071115-\$ or US-20040001460-\$ or US-20030230659-\$ or US-20030181930-\$ or US-20030180815-\$ or US-20030176794-\$ or US-20030170177-\$ or US-20030168403-\$ or US-20030139320-\$ or US-20030135229-\$ or US-20030132268-\$ or US-20030130677-\$ or US-20030125717-\$ or US-20030105478-\$).did. or (US-20030089757-\$ or US-20030073982-\$ or US-20030073981-\$ or US-20030055411-\$ or US-20030055247-\$ or US-20030050654-\$ or US-20030050628-\$ or US-20030018585-\$ or US-20030009154-\$ or US-20020198554-\$ or US-20020196930-\$ or US-20020193666-\$ or US-20020177874-\$ or US-20020177860-\$ or US-20020165541-\$ or US-20020165444-\$ or US-20020158622-\$ or US-20020119721-\$ or US-20020084304-\$ or US-20020052623-\$ or US-20020049454-\$ or US-20020040065-\$ or US-20020034622-\$ or US-20020025800-\$ or US-20020019642-\$ or US-20020012565-\$ or US-20010056084-\$).did. or (US-20010045442-\$ or US-20010031975-\$ or US-20010029384-\$ or US-20010009971-\$ or US-20060049229-\$).did. or (US-7059508-\$ or US-7083075-\$ or US-6988649-\$ or US-

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6959852-\$ or US-5690269-\$ or US-H002037-  
\$ or US-H001904-\$ or US-5901895-\$ or US-  
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or US-5482197-\$ or US-5456401-\$ or US-  
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\$).did. or (US-7070083-\$ or US-6755338-\$ or  
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or US-5240163-\$ or US-5040715-\$ or US-  
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or US-4610383-\$ or US-4520817-\$ or US-  
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or US-5084057-\$ or US-4691853-\$ or US-  
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or US-4841888-\$ or US-4821942-\$ or US-  
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4027510-\$ or US-RE28932-\$ or US-3777538-\$  
or US-3593903-\$ or US-4664305-\$ or US-  
5042707-\$ or US-5381943-\$ or US-5176702-\$  
or US-5174487-\$ or US-5163945-\$ or US-  
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or US-5049152-\$ or US-5047038-\$ or US-  
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or US-4919391-\$ or US-4919320-\$ or US-  
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or US-4802478-\$ or US-4789090-\$ or US-  
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4665906-\$ or US-4662373-\$ or US-4655221-  
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or US-4321002-\$ or US-4317535-\$ or US-  
4296751-\$ or US-4261244-\$ or US-4207873-\$  
or US-4204623-\$ or US-3955581-\$ or US-  
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or US-4470532-\$ or US-4316468-\$ or US-  
4391402-\$ or US-4196836-\$ or US-4127227-\$  
or US-3643851-\$ or US-3494533-\$ or US-  
3871379-\$ or US-3837555-\$ or US-3763860-

\$.did. or (US-4043504-\$ or US-4014492-\$ or US-3054406-\$ or US-2448741-\$ or US-0389660-\$ or US-0312413-\$ or US-7751870-\$ or US-7743960-\$ or US-7695485-\$ or US-7653823-\$ or US-7635385-\$ or US-7537602-\$ or US-7529265-\$ or US-7483408-\$ or US-7330704-\$ or US-7322994-\$ or US-7298922-\$ or US-7271200-\$ or US-7264644-\$ or US-7262603-\$ or US-7256166-\$ or US-D545125-\$ or US-7222540-\$ or US-7206223-\$ or US-7169159-\$ or US-7169158-\$ or US-7138236-\$).did. or (US-7132078-\$ or US-7114642-\$ or US-7087071-\$ or US-7082392-\$ or US-7077856-\$ or US-D523698-\$ or US-D523289-\$ or US-7032971-\$ or US-7032798-\$ or US-6981941-\$ or US-6975983-\$ or US-6951943-\$ or US-6942799-\$ or US-6887000-\$ or US-6877686-\$ or US-6873689-\$ or US-6860442-\$ or US-6849071-\$ or US-6846309-\$ or US-6846308-\$ or US-6846307-\$ or US-6843403-\$ or US-6833657-\$ or US-6830208-\$ or US-6827306-\$ or US-6804347-\$ or US-6793652-\$).did. or (US-6778130-\$ or US-6775538-\$ or US-6774138-\$ or US-6771743-\$ or US-6733445-\$ or US-6726697-\$ or US-6716233-\$ or US-6716230-\$ or US-6710092-\$ or US-6698643-\$ or US-6695199-\$ or US-6681979-\$ or US-6656957-\$ or US-6566880-\$ or US-6537212-\$ or US-6533157-\$ or US-6527980-\$ or US-6517565-\$ or US-6511688-\$ or US-6505768-\$ or US-6497716-\$ or US-6495527-\$ or US-6491201-\$ or US-6489923-\$ or US-6489873-\$ or US-6488197-\$ or US-6482654-\$).did. or (US-6463301-\$ or US-6460057-\$ or US-6443973-\$ or US-6440146-\$ or US-6417723-\$ or US-6416739-\$ or US-6415149-\$ or US-D458708-\$ or US-6402073-\$ or US-6393650-\$ or US-6391039-\$ or US-6364228-\$ or US-6348061-\$ or US-6335964-\$ or US-D451576-\$ or US-6316067-\$ or US-6315184-\$ or US-6311075-\$ or US-6264087-\$ or US-6237140-\$ or US-6233728-\$ or US-6226791-\$ or US-6213940-\$ or US-6211676-\$ or US-6197041-\$ or US-6185571-\$ or US-6169913-\$).did. or (US-6167036-\$ or US-6153245-\$ or US-6152390-\$ or US-6141724-\$ or US-6134549-\$ or US-6083234-\$ or US-6081655-\$ or US-6078734-\$ or US-6064817-\$ or US-6039279-\$ or US-D420130-\$ or US-6007864-\$ or US-6002873-\$ or US-6000232-\$ or US-5970126-\$ or US-5967974-\$ or US-5967973-\$ or US-5951068-\$ or US-5947896-\$ or US-D411883-\$ or US-D411299-\$ or US-5882300-\$ or US-5879293-\$ or US-5871488-\$ or US-5868761-\$ or US-5865733-\$ or US-5850068-\$).did. or (US-5844158-\$ or US-5812836-\$ or US-5812644-\$ or US-5782859-\$ or US-5746740-\$ or US-5738897-\$ or US-5728107-\$ or US-5724997-\$ or US-5721458-\$ or US-5689708-\$ or US-5674230-\$ or US-5674229-\$ or US-5591181-\$ or US-5578048-\$ or US-5571115-\$ or US-D374284-\$ or US-5522795-\$ or US-5514157-\$ or US-5490819-\$ or US-5486189-\$ or US-5478344-\$ or US-5431675-\$

		or US-5431662-\$ or US-5425743-\$ or US-D353457-\$ or US-5334196-\$ or US-5330501-\$).did. or (US-5314424-\$ or US-5224833-\$ or US-5202057-\$ or US-5073356-\$ or US-5068058-\$ or US-5022074-\$ or US-5011670-\$ or US-4988490-\$ or US-4922206-\$ or US-4912701-\$ or US-4904930-\$ or US-4861351-\$ or US-4846851-\$ or US-4836833-\$ or US-4807630-\$ or US-4761167-\$ or US-4748665-\$ or US-4732596-\$ or US-4654047-\$ or US-4522722-\$ or US-4493326-\$ or US-4328810-\$ or US-4257897-\$ or US-4242108-\$ or US-4228535-\$ or US-4194179-\$ or US-4185363-\$).did. or (US-4158107-\$ or US-4144414-\$ or US-4119772-\$ or US-4084351-\$ or US-4049816-\$ or US-4030371-\$ or US-3958084-\$ or US-3947639-\$ or US-3777066-\$ or US-3763433-\$ or US-3720971-\$ or US-3551571-\$ or US-3430725-\$ or US-3372664-\$ or US-3326296-\$ or US-3181639-\$ or US-3892228-\$ or US-5478003-\$ or US-5433721-\$ or US-6786382-\$ or US-6964363-\$ or US-6241139-\$ or US-7241288-\$).did. or (DE-4204623-\$ or DE-4127227-\$ or DE-3837555-\$ or WO-3054406-\$ or DE-4321002-\$ or DE-4207873-\$).did.				
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S75	106	"227"/\$.ccls. and (driver with (first or second)) and (gear with (first or second)) and jaw and shaft	US-PGPUB; USPAT	OR	OFF	2012/05/05 19:14
S76	70	"606"/\$.ccls. and (driver with (first or second)) and (gear with (first or second)) and jaw and shaft	US-PGPUB; USPAT	OR	OFF	2012/05/05 19:15
S77	162	S75 S76	US-PGPUB; USPAT	OR	OFF	2012/05/05 19:15
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S82	241	227/19.ccls. and ((staples or fastener) with (array or row)) and jaw and gear	US-PGPUB; USPAT; EPO; JPO	OR	ON	2012/07/09 20:57
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S85	59	"227"/\$.ccls. and surgical and (remote or robot\$2) and control and drive and effector and shaft and gear and transmission and rotary	US-PGPUB; USPAT	OR	OFF	2012/08/23 13:07
S86	95	"606"/\$.ccls. and surgical and (remote or robot\$2) and control and drive and effector and shaft and gear and transmission and rotary	US-PGPUB; USPAT	OR	OFF	2012/08/23 13:13
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C:\Users\bnash\Documents\EAST\Workspaces\surgical stapler\13369609\_CON\_ss w robotic cntrllr and transmission unit and articulating end effector.wsp





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				Application Number	13/369,609
				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
Attorney Docket Number	END5924USCNT2/060339CON2				
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
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		7,077,856 B2		07-18-2006	Whitman	

Examiner Signature	Brian Nash/ (02/25/2013)	Date Considered	
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				Attorney Docket Number	END5924USCNT2/060339CON2
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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		European Examination Report, Application No. 08250100.8, dated February 19, 2009 (4 pages).	
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		European Examination Report, Application No. 08250093.5, dated June 14, 2010 (5 pages).	
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		International Search Report for PCT/US2012/026997, May 7, 2012 (5 pages).	
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		International Search Report for PCT/US2012/039156, October 29, 2012 (4 pages).	
		Written Opinion for PCT/US2012/039156, October 29, 2012 (6 pages).	
		European Search Report for Application No. 12173458.6, dated December 6, 2012 (8 pages).	

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				Art Unit	3721
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Sheet	5	of	82	Attorney Docket Number	END5924USCNT2/060339CON2

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		Number - Kind Code <sup>2</sup> (if known)			
		2002/0022836 A1	02-21-2002	Goble et al.	
		2002/0029036 A1	03-07-2002	Goble et al.	
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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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U.S. PATENT DOCUMENTS					
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		Number - Kind Code <sup>2</sup> (if known)			
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				Application Number	13/369,609
				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
		4,434,796		03-06-1984	Karapetian et al.	
		4,442,964		04-17-1984	Becht	
		4,451,743		05-29-1984	Suzuki et al.	
		4,454,887		06-19-1984	Krüger	
		4,467,805		08-28-1984	Fukuda	
		4,475,679		10-09-1984	Fleury, Jr.	
		4,485,816		12-04-1984	Krumme	
		4,489,875		12-25-1984	Crawford et al.	
		4,500,024		02-19-1985	DiGiovanni et al.	
		4,505,273		03-19-1985	Braun et al.	
		4,505,414		03-19-1985	Filipi	
		4,506,671		03-26-1985	Green	
		4,520,817		06-04-1985	Green	
		4,522,327		06-11-1985	Korthoff et al.	
		4,526,174		07-02-1985	Froehlich	
		4,527,724		07-09-1985	Chow et al.	
		4,530,453		07-23-1985	Green	
		4,548,202		10-22-1985	Duncan	
		4,565,189		01-21-1986	Mabuchi	
		4,566,620		01-28-1986	Green et al.	
		4,573,469		03-04-1986	Golden et al.	
		4,573,622		03-04-1986	Green et al.	
		4,576,167		03-18-1986	Noiles et al.	
		4,580,712		04-08-1986	Green	
		4,589,416		05-20-1986	Green	
		4,591,085		05-27-1986	Di Giovanni	
		4,604,786		08-12-1986	Howie, Jr.	
		4,605,001		08-12-1986	Rothfuss et al.	
		4,605,004		08-12-1986	Di Giovanni et al.	
		4,606,343		08-19-1986	Conta et al.	
		4,607,638		08-26-1986	Crainich	

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		Art Unit	3721
		Examiner Name	Brian D. Nash
		Attorney Docket Number	END5924USCNT2/060339CON2
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		Number - Kind Code <sup>2</sup> (if known)				
		4,608,981		09-02-1986	Rothfuss et al.	
		4,610,250		09-09-1986	Green	
		4,610,383		09-19-1986	Rothfuss et al.	
		4,619,262		10-28-1986	Taylor	
		4,629,107		12-16-1986	Fedotov et al.	
		4,632,290		12-30-1986	Green et al.	
		4,633,874		01-06-1987	Chow et al.	
		4,641,076		02-03-1987	Linden	
		4,646,722		03-03-1987	Silverstein et al.	
		4,655,222		04-07-1987	Florez et al.	
		4,663,874		05-12-1987	Sano et al.	
		4,664,305		05-12-1987	Blake, III et al.	
		4,665,916		05-19-1987	Green	
		4,667,674		05-26-1987	Korthoff et al.	
		4,671,445		06-09-1987	Barker et al.	
		4,676,245		06-30-1987	Fukuda	
		4,693,248		09-15-1987	Failla	
		4,709,120		11-24-1987	Pearson	
		4,715,520		12-29-1987	Roehr, Jr. et al.	
		4,719,917		01-19-1988	Barrows et al.	
		4,728,020		03-01-1988	Green et al.	
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		4,729,260		03-08-1988	Dudden	
		4,741,336		05-03-1988	Failla et al.	
		4,752,024		06-21-1988	Green et al.	
		4,754,909		07-05-1988	Barker et al.	
		4,767,044		08-30-1988	Green	
		4,777,780		10-18-1988	Holzwarth	
		4,787,387		11-29-1988	Burbank, III et al.	
		4,790,225		12-13-1988	Moody et al.	
		4,805,617		02-21-1989	Bedi et al.	

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				Attorney Docket Number	END5924USCNT2/060339CON2
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		Number - Kind Code <sup>2</sup> (if known)				
		4,805,823		02-21-1989	Rothfuss	
		4,809,695		03-07-1989	Gwathmey et al.	
		4,817,847		04-04-1989	Redtenbacher et al.	
		4,819,853		04-11-1989	Green	
		4,821,939		04-18-1989	Green	
		4,827,911		05-09-1989	Broadwin et al.	
		4,844,068		07-04-1989	Arata et al.	
		4,869,414		09-26-1989	Green et al.	
		4,869,415		09-26-1989	Fox	
		4,880,015		11-14-1989	Nierman	
		4,890,613		01-02-1990	Golden et al.	
		4,892,244		01-09-1990	Fox et al.	
		4,915,100		04-10-1990	Green	
		4,930,503		06-05-1990	Pruitt	
		4,932,960		06-12-1990	Green et al.	
		4,938,408		07-03-1990	Bedi et al.	
		4,941,623		07-17-1990	Pruitt	
		4,944,443		07-31-1990	Oddsen et al.	
		4,955,959		09-11-1990	Tompkins et al.	
		4,978,049		12-18-1990	Green	
		4,986,808		01-22-1991	Broadwin et al.	
		4,988,334		01-29-1991	Hornlein et al.	
		5,002,553		03-26-1991	Shiber	
		5,009,661		04-23-1991	Michelson	
		5,014,899		05-14-1991	Presty et al.	
		5,015,227		05-14-1991	Broadwin et al.	
		5,027,834		07-02-1991	Pruitt	
		5,031,814		07-16-1991	Tompkins et al.	
		5,040,715		08-20-1991	Green et al.	
		5,042,707		08-27-1991	Taheri	
		5,061,269		10-29-1991	Muller	

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				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		Number - Kind Code <sup>2</sup> (if known)				
		5,062,563		11-05-1991	Green et al.	
		5,065,929		11-19-1991	Schulze et al.	
		5,071,052		12-10-1991	Rodak et al.	
		5,071,430		12-10-1991	de Salis et al.	
		5,074,454		12-24-1991	Peters	
		5,080,556		01-14-1992	Carreno	
		5,083,695		01-28-1992	Fosljen et al.	
		5,084,057		01-28-1992	Green et al.	
		5,088,979		02-18-1992	Filipi et al.	
		5,088,997		02-18-1992	Delahueriga et al.	
		5,094,247		03-10-1992	Hernandez et al.	
		5,100,420		03-31-1992	Green et al.	
		5,104,025		04-14-1992	Main et al.	
		5,106,008		04-21-1992	Tompkins et al.	
		5,111,987		05-12-1992	Moelzadeh et al.	
		5,116,349		05-26-1992	Aranyi	
		5,129,570		07-14-1992	Schulze et al.	
		5,137,198		08-11-1992	Nobis et al.	
		5,139,513		08-18-1992	Segato	
		5,141,144		08-25-1992	Fosljen et al.	
		5,156,315		10-20-1992	Green et al.	
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		5,163,598		11-17-1992	Peters et al.	
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		5,200,280		04-06-1993	Karasa	

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		5,205,459		04-27-1993	Brinkerhoff et al.	
		5,207,697		05-04-1993	Carusillo et al.	
		5,209,747		05-11-1993	Knoepfler	
		5,211,649		05-18-1993	Kohler et al.	
		5,217,457		06-08-1993	Delahueriga et al.	
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		5,219,111		06-15-1993	Bilotti et al.	
		5,221,036		06-22-1993	Takase	
		5,221,281		06-22-1993	Klicek	
		5,222,963		06-29-1993	Brinkerhoff et al.	
		5,222,975		06-29-1993	Crainich	
		5,222,976		06-29-1993	Yoon	
		5,223,675		06-29-1993	Taft	
		5,234,447		08-10-1993	Kaster et al.	
		5,236,440		08-17-1993	Hlavacek	
		5,239,981		08-31-1993	Anapliotis	
		5,240,163		08-31-1993	Stein et al.	
		5,242,457		09-07-1993	Akopov et al.	
		5,244,462		09-14-1993	Delahueriga et al.	
		5,246,156		09-21-1993	Rothfuss et al.	
		5,246,443		09-21-1993	Mai	
		5,253,793		10-19-1993	Green et al.	
		5,258,009		11-02-1993	Connors	
		5,258,012		11-02-1993	Luscombe et al.	
		5,259,366		11-09-1993	Reydel et al.	
		5,260,637		11-09-1993	Pizzi	
		5,263,629		11-23-1993	Trumbull et al.	
		5,263,973		11-23-1993	Cook	
		5,268,622		12-07-1993	Philipp	
		5,271,543		12-21-1993	Grant et al.	
		5,271,544		12-21-1993	Fox et al.	

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		5,275,323		01-04-1994	Schulze et al.	
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		5,281,216		01-25-1994	Klicek	
		5,282,806		02-01-1994	Haber et al.	
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		5,297,714		03-29-1994	Kramer	
		5,304,204		04-19-1994	Bregen	
		5,307,976		05-03-1994	Olson et al.	
		5,309,927		05-10-1994	Welch	
		5,312,023		05-17-1994	Green et al.	
		5,312,329		05-17-1994	Beaty et al.	
		5,314,424		05-24-1994	Nicholas	
		5,318,221		06-07-1994	Green et al.	
		5,330,502		07-19-1994	Hassler et al.	
		5,332,142		07-26-1994	Robinson et al.	
		5,333,422		08-02-1994	Warren et al.	
		5,333,772		08-02-1994	Rothfuss et al.	
		5,334,183		08-02-1994	Wuchinich	
		5,336,232		08-09-1994	Green et al.	
		5,339,799		08-23-1994	Kami et al.	
		5,341,724		08-30-1994	Vatel	
		5,341,810		08-30-1994	Dardel	
		5,342,395		08-30-1994	Jarrett et al.	
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		5,344,060		09-06-1994	Gravener et al.	
		5,350,400		09-27-1994	Esposito et al.	
		5,352,235		10-04-1994	Koros et al.	
		5,352,238		10-04-1994	Green et al.	
		5,354,303		10-11-1994	Spaeth et al.	
		5,356,006		10-18-1994	Alpern et al.	
		5,358,510		10-25-1994	Luscombe et al.	

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				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		Number - Kind Code <sup>2</sup> (if known)				
		5,359,231		10-25-1994	Flowers et al.	
		5,360,428		11-01-1994	Hutchinson, Jr.	
		5,364,003		11-15-1994	Williamson, IV	
		5,366,134		11-22-1994	Green et al.	
		5,366,479		11-22-1994	McGarry et al.	
		5,368,015		11-29-1994	Wilk	
		5,370,645		12-06-1994	Klicek et al.	
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		5,374,277		12-20-1994	Hassler	
		5,379,933		01-10-1995	Green et al.	
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		5,389,098		02-14-1995	Tsuruta et al.	
		5,391,180		02-21-1995	Tovey et al.	
		5,392,979		02-28-1995	Green et al.	
		5,395,030		03-07-1995	Kuramoto et al.	
		5,395,033		03-07-1995	Byrne et al.	
		5,395,312		03-07-1995	Desai	
		5,397,046		03-14-1995	Savage et al.	
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		5,403,312		04-04-1995	Yates et al.	
		5,405,072		04-11-1995	Zlock et al.	
		5,405,344		04-11-1995	Williamson et al.	
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		5,409,498		04-25-1995	Braddock et al.	
		5,411,508		05-02-1995	Bessler et al.	

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		5,413,267		05-09-1995	Solyntjes et al.	
		5,413,268		05-09-1995	Green et al.	
		5,413,272		05-09-1995	Green et al.	
		5,415,334		05-16-1995	Williamson, IV et al.	
		5,415,335		05-16-1995	Knodell, Jr.	
		5,417,361		05-23-1995	Williamson, IV	
		5,421,829		06-06-1995	Olichney et al.	
		5,422,567		06-06-1995	Matsunaga	
		5,423,809		06-13-1995	Klicek	
		5,425,745		06-20-1995	Green et al.	
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		5,438,302		08-01-1995	Goble	
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		5,452,836		09-26-1995	Huitema et al.	
		5,452,837		09-26-1995	Williamson, IV et al.	
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		5,464,300		11-07-1995	Crainich	
		5,465,894		11-14-1995	Clark et al.	

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		Number - Kind Code <sup>2</sup> (if known)				
		5,465,896		11-14-1995	Allen et al.	
		5,466,020		11-14-1995	Page et al.	
		5,467,911		11-21-1995	Tsuruta et al.	
		5,470,006		11-28-1995	Rodak	
		5,470,007		11-28-1995	Plyley et al.	
		5,470,009		11-28-1995	Rodak	
		5,472,132		12-05-1995	Savage et al.	
		5,472,442		12-05-1995	Klicek	
		5,473,204		12-05-1995	Temple	
		5,474,057		12-12-1995	Makower et al.	
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		5,476,206		12-19-1995	Green et al.	
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		5,480,089		01-02-1996	Blewett	
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		5,484,451		01-16-1996	Akopov et al.	
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		5,487,499		01-30-1996	Sorrentino et al.	
		5,487,500		01-30-1996	Knodel et al.	
		5,489,058		02-06-1996	Plyley et al.	
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		5,496,312		03-05-1996	Klicek	
		5,496,317		03-05-1996	Goble et al.	
		5,497,933		03-12-1996	DeFonzo et al.	
		5,503,320		04-02-1996	Webster et al.	

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		Number - Kind Code <sup>2</sup> (if known)				
		5,503,635		04-02-1996	Sauer et al.	
		5,503,638		04-02-1996	Cooper et al.	
		5,505,363		04-09-1996	Green et al.	
		5,507,426		04-16-1996	Young et al.	
		5,509,596		04-23-1996	Green et al.	
		5,509,916		04-23-1996	Taylor	
		5,511,564		04-30-1996	Wilk	
		5,514,129		05-07-1996	Smith	
		5,514,157		05-07-1996	Nicholas et al.	
		5,518,163		05-21-1996	Hooven	
		5,518,164		05-21-1996	Hooven	
		5,520,678		05-28-1996	Heckele et al.	
		5,520,700		05-28-1996	Beyar et al.	
		5,522,817		06-04-1996	Sander et al.	
		5,527,320		06-18-1996	Carruthers et al.	
		5,529,235		06-25-1996	Boiarski et al.	
		5,531,744		07-02-1996	Nardella et al.	
		5,533,521		07-09-1996	Granger	
		5,533,581		07-09-1996	Barth et al.	
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		5,535,934		07-16-1996	Boiarski et al.	
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		5,549,621		08-27-1996	Bessler et al.	
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		5,553,675		09-10-1996	Pitzen et al.	
		5,553,765		09-10-1996	Knodel et al.	
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		5,558,665		09-24-1996	Kieturakis	
		5,558,671		09-24-1996	Yates	
		5,560,530		10-01-1996	Bolanos et al.	
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		5,586,711		12-24-1996	Plyley et al.	

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				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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<i>(use as many sheets as necessary)</i>					

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
		5,588,579		12-31-1996	Schnut et al.	
		5,588,580		12-31-1996	Paul et al.	
		5,588,581		12-31-1996	Conlon et al.	
		5,591,170		01-07-1997	Spievack et al.	
		5,591,187		01-07-1997	Dekel	
		5,597,107		01-28-1997	Knodel et al.	
		5,599,151		02-04-1997	Daum et al.	
		5,599,344		02-04-1997	Paterson	
		5,599,350		02-04-1997	Schulze et al.	
		5,601,224		02-11-1997	Bishop et al.	
		5,603,443		02-18-1997	Clark et al.	
		5,605,272		02-25-1997	Witt et al.	
		5,605,273		02-25-1997	Hamblin et al.	
		5,607,094		03-04-1997	Clark et al.	
		5,607,095		03-04-1997	Smith et al.	
		5,607,450		03-04-1997	Zvenyatsky et al.	
		5,609,285		03-11-1997	Grant et al.	
		5,611,709		03-18-1997	McAnulty	
		5,613,966		03-25-1997	Makower et al.	
		5,618,294		04-08-1997	Aust et al.	
		5,618,303		04-08-1997	Marlow et al.	
		5,618,307		04-08-1997	Donlon et al.	
		5,620,289		04-15-1997	Curry	
		5,620,452		04-15-1997	Yoon	
		5,624,452		04-29-1997	Yates	
		5,626,587		05-06-1997	Bishop et al.	
		5,628,446		05-13-1997	Geiste et al.	
		5,628,743		05-13-1997	Cimino	
		5,630,539		05-20-1997	Plyley et al.	
		5,630,540		05-20-1997	Blewett	
		5,630,782		05-20-1997	Adair	

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		5,632,432		05-27-1997	Schulze et al.	
		5,632,433		05-27-1997	Grant et al.	
		5,634,584		06-03-1997	Okorochoa et al.	
		5,636,779		06-10-1997	Palmer	
		5,636,780		06-10-1997	Green et al.	
		5,639,008		06-17-1997	Gallagher et al.	
		5,643,291		07-01-1997	Pier et al.	
		5,645,209		07-08-1997	Green et al.	
		5,647,526		07-15-1997	Green et al.	
		5,647,869		07-15-1997	Goble et al.	
		5,649,937		07-22-1997	Bito et al.	
		5,651,491		07-29-1997	Heaton et al.	
		5,653,373		08-05-1997	Green et al.	
		5,653,374		08-05-1997	Young et al.	
		5,653,721		08-05-1997	Knodel et al.	
		5,655,698		08-12-1997	Yoon	
		5,657,921		08-19-1997	Young et al.	
		5,658,281		08-19-1997	Heard	
		5,658,300		08-19-1997	Bito et al.	
		5,662,258		09-02-1997	Knodel et al.	
		5,662,260		09-02-1997	Yoon	
		5,662,662		09-02-1997	Bishop et al.	
		5,667,517		09-16-1997	Hooven	
		5,667,526		09-16-1997	Levin	
		5,667,527		09-16-1997	Cook	
		5,669,544		09-23-1997	Schulze et al.	
		5,669,904		09-23-1997	Platt, Jr. et al.	
		5,669,907		09-23-1997	Platt, Jr. et al.	
		5,669,918		09-23-1997	Balazs et al.	
		5,673,840		10-07-1997	Schulze et al.	
		5,673,841		10-07-1997	Schulze et al.	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		Number - Kind Code <sup>2</sup> (if known)				
		5,673,842		10-07-1997	Bittner et al.	
		5,678,748		10-21-1997	Plyley et al.	
		5,680,981		10-28-1997	Mililli et al.	
		5,680,982		10-28-1997	Schulze et al.	
		5,680,983		10-28-1997	Plyley et al.	
		5,683,349		11-04-1997	Makower et al.	
		5,685,474		11-11-1997	Seeber	
		5,690,269		11-25-1997	Bolanos et al.	
		5,692,668		12-02-1997	Schulze et al.	
		5,693,051		12-02-1997	Schulze et al.	
		5,695,494		12-09-1997	Becker	
		5,695,504		12-09-1997	Gifford, III et al.	
		5,695,524		12-09-1997	Kelley et al.	
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		5,702,387		12-30-1997	Arts et al.	
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		5,704,087		01-06-1998	Strub	
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		5,715,987		02-10-1998	Kelley et al.	

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		Number - Kind Code <sup>2</sup> (if known)				
		5,715,988		02-10-1998	Palmer	
		5,716,366		02-10-1998	Yates	
		5,718,359		02-17-1998	Palmer et al.	
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		5,720,744		02-24-1998	Eggleston et al.	
		5,725,536		03-10-1998	Oberlin et al.	
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		5,732,871		03-31-1998	Clark et al.	
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		5,735,445		04-07-1998	Vidal et al.	
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		5,772,578		06-30-1998	Heimberger et al.	
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		5,782,749		07-21-1998	Riza	
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		5,792,165		08-11-1998	Klieman et al.	
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		5,817,091		10-06-1998	Nardella et al.	

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
		5,817,093		10-06-1998	Williamson, IV et al.	
		5,817,109		10-06-1998	McGary et al.	
		5,817,119		10-06-1998	Klieman et al.	
		5,820,009		10-13-1998	Melling et al.	
		5,823,066		10-20-1998	Huitema et al.	
		5,826,776		10-27-1998	Schulze et al.	
		5,827,271		10-27-1998	Buysse et al.	
		5,829,662		11-03-1998	Allen et al.	
		5,833,690		11-10-1998	Yates et al.	
		5,833,695		11-10-1998	Yoon	
		5,833,696		11-10-1998	Whitfield et al.	
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		5,846,254		12-08-1998	Schulze et al.	
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		5,855,311		01-05-1999	Hamblin et al.	
		5,855,583		01-05-1999	Wang et al.	
		5,860,975		01-19-1999	Goble et al.	
		5,865,361		02-02-1999	Milliman et al.	
		5,868,760		02-09-1999	McGuckin, Jr.	
		5,871,135		02-16-1999	Williamson IV et al.	
		5,873,885		02-23-1999	Weidenbenner	
		5,876,401		03-02-1999	Schulze et al.	
		5,878,937		03-09-1999	Green et al.	
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		5,894,979		04-20-1999	Powell	
		5,897,562		04-27-1999	Bolanos et al.	

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				First Named Inventor	Frederick E. Shelton, IV
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				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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U.S. PATENT DOCUMENTS						
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		Number - Kind Code <sup>2</sup> (if known)				
		5,899,914		05-04-1999	Zirps et al.	
		5,901,895		05-11-1999	Heaton et al.	
		5,902,312		05-11-1999	Frater et al.	
		5,904,693		05-18-1999	Dicesare et al.	
		5,906,625		05-25-1999	Bitto et al.	
		5,908,402		06-01-1999	Blythe	
		5,908,427		06-01-1999	McKean et al.	
		5,911,353		06-15-1999	Bolanos et al.	
		5,915,616		06-29-1999	Viola et al.	
		5,918,791		07-06-1999	Sorrentino et al.	
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		6,013,076		01-11-2000	Goble et al.	

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				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
Sheet	40	of	82	Attorney Docket Number	END5924USCNT2/060339CON2
<i>(use as many sheets as necessary)</i>					

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		6,015,406		01-18-2000	Goble et al.	
		6,017,322		01-25-2000	Snoke et al.	
		6,017,356		01-25-2000	Frederick et al.	
		6,022,352		02-08-2000	Vandewalle	
		6,024,741		02-15-2000	Williamson, IV et al.	
		6,024,748		02-15-2000	Manzo et al.	
		6,027,501		02-22-2000	Goble et al.	
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				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		6,099,537		08-08-2000	Sugai et al.	
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		6,102,271		08-15-2000	Longo et al.	
		6,109,500		08-29-2000	Alli et al.	
		6,117,158		09-12-2000	Measamer et al.	
		6,119,913		09-19-2000	Adams et al.	
		6,120,433		09-19-2000	Mizuno et al.	
		6,123,241		09-26-2000	Walter et al.	
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		Number - Kind Code <sup>2</sup> (if known)				
		6,223,835	B1	05-01-2001	Habedank et al.	
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		6,241,723	B1	06-05-2001	Heim et al.	
		6,249,076	B1	06-19-2001	Madden et al.	
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		6,352,503 B1	03-05-2002	Matsui et al.	
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				Application Number	13/369,609
				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
Attorney Docket Number	END5924USCNT2/060339CON2				
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
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				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
Sheet	45	of	82	Attorney Docket Number	END5924USCNT2/060339CON2

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
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		6,629,974	B2	10-07-2003	Penny et al.	
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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
Sheet	46	of	82		

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		6,821,284 B2	11-23-2004	Sturtz et al.	
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		6,988,649	B2	01-24-2006	Shelton, IV et al.	
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		6,994,708	B2	02-07-2006	Manzo	
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		7,008,435	B2	03-07-2006	Cummins	
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		7,032,799	B2	04-25-2006	Viola et al.	

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				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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<i>(use as many sheets as necessary)</i>					

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
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		7,036,680 B1	05-02-2006	Flannery	
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				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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		7,098,794 B2	08-29-2006	Lindsay et al.	
		7,104,741 B2	09-12-2006	Krohn	
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		Art Unit	3721
		Examiner Name	Brian D. Nash
		Attorney Docket Number	END5924USCNT2/060339CON2
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		Number - Kind Code <sup>2</sup> (if known)			
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		7,188,758 B2	03-13-2007	Viola et al.	
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				Application Number	13/369,609	
Sheet		52	of	82	Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV	
				Art Unit	3721	
				Examiner Name	Brian D. Nash	
				Attorney Docket Number	END5924USCNT2/060339CON2	

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		7,247,161 B2	07-24-2007	Johnston et al.	
		7,252,660 B2	08-07-2007	Kunz	
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		7,431,730	B2	10-07-2008	Viola	
		7,434,715	B2	10-14-2008	Shelton, IV et al.	
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		7,438,209	B1	10-21-2008	Hess et al.	
		7,439,354	B2	10-21-2008	Lenges et al.	

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				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
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<i>(use as many sheets as necessary)</i>					

U.S. PATENT DOCUMENTS					
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		Number - Kind Code <sup>2</sup> (if known)			
		7,441,684 B2	10-28-2008	Shelton, IV et al.	
		7,441,685 B1	10-28-2008	Boudreaux	
		7,442,201 B2	10-28-2008	Pugsley et al.	
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		7,501,198 B2	03-10-2009	Barlev et al.	
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		7,546,940 B2	06-16-2009	Milliman et al.	
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				Attorney Docket Number	END5924USCNT2/060339CON2
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		7,552,854 B2	06-30-2009	Wixey et al.	
		7,556,185 B2	07-07-2009	Viola	
		7,556,186 B2	07-07-2009	Milliman	
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		7,568,604 B2	08-04-2009	Ehrenfels et al.	
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		7,641,092 B2	01-05-2010	Kruszynski et al.	
		7,641,093 B2	01-05-2010	Doll et al.	
		7,644,848 B2	01-12-2010	Swayze et al.	
		7,651,498 B2	01-26-2010	Shifrin et al.	
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				Art Unit	3721
Examiner Name	Brian D. Nash				
Attorney Docket Number	END5924USCNT2/060339CON2				
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		Number - Kind Code <sup>2</sup> (if known)			
		7,665,647 B2	02-23-2010	Shelton, IV et al.	
		7,669,746 B2	03-02-2010	Shelton, IV	
		7,669,747 B2	03-02-2010	Weisenburgh, II et al.	
		7,673,780 B2	03-09-2010	Shelton, IV et al.	
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		7,686,826 B2	03-30-2010	Lee et al.	
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		7,721,930 B2	05-25-2010	McKenna et al.	
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		7,771,396	B2	08-10-2010	Stefanchik et al.	
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		7,776,060	B2	08-17-2010	Mooradian et al.	
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		7,845,533	B2	12-07-2010	Marczyk et al.	

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		7,845,534 B2	12-07-2010	Viola et al.	
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		7,959,051 B2	06-14-2011	Smith et al.	

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				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
Examiner Name	Brian D. Nash				
Attorney Docket Number	END5924USCNT2/060339CON2				
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
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FOREIGN PATENT DOCUMENTS							
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
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		EP 0598618 B1		09-02-1998	Ortiz et al.		
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				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
Sheet	65	of	82	Attorney Docket Number	END5924USCNT2/060339CON2
<i>(use as many sheets as necessary)</i>					

<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
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				Attorney Docket Number	END5924USCNT2/060339CON2
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				Examiner Name	Brian D. Nash
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
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		EP 1520521 A1		04-06-2005	Swayze et al.		
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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
Sheet	70	of	82		

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
		EP 1813209 A1		08-01-2007	Shelton, IV et al.		
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		EP 1839596 A1		10-03-2007	Alesi et al.		
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		FR 999646 A (English Abstract Unavailable)		02-04-1952	Reinero		

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				Art Unit	3721
				Examiner Name	Brian D. Nash
Sheet	71	of	82	Attorney Docket Number	END5924USCNT2/060339CON2

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
		GB	1210522 A	10-28-1970	USSC		
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				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
Sheet	72	of	82		

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
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		SU 1708312 A1 (English Abstract Unavailable)		01-30-1992	Sokolov et al.		

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		SU 1722476 A1 (English Translation)		03-30-1992	Altman et al.		✓
		SU 1752361 A1 (English Abstract Unavailable)		08-07-1992	Berkovich et al.		
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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	13/369,609
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
Sheet	75	of	82		

<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
		WO 03/105702 A2		12-24-2003	Whitman et al.		
		WO 2003/047436 A3		06-12-2003	Whitman et al.		
		WO 2003/063694 A1		08-07-2003	Whitman		
		WO 2003/079909 A3		03-19-2003	Rethy et al.		
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		WO 2004/103157 A2		12-02-2004	Sauer et al.		
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				Art Unit	3721
				Examiner Name	Brian D. Nash
Sheet	76	of	82	Attorney Docket Number	END5924USCNT2/060339CON2
<i>(use as many sheets as necessary)</i>					

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
		WO 2004/105621 A1		12-09-2004	Meagher		
		WO 2004/112618 A2		12-29-2004	Racenet et al.		
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		WO 2006/125940 A1		11-30-2006	Bosshard et al.		
		WO 2007/002180 A2		01-04-2007	Christopher et al.		

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				Application Number	13/369,609
				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
Examiner Name	Brian D. Nash	Attorney Docket Number	END5924USCNT2/060339CON2		
Sheet	77	of	82		

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>5</sup> (if known)					
		WO 2007/016290 A2		02-08-2007	Whitman et al.		
		WO 2007/018898 A2		02-15-2007	Lee		
		WO 2007/098220 A2		08-30-2007	West et al.		
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					Attorney Docket Number	END5924USCNT2/060339CON2

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
		WO 94/00060 A1		01-06-1994	Klicek		
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		WO 96/27337	A1	09-12-1996	Platt et al.		
		WO 96/31155	A1	10-10-1996	Guthrie et al.		
		WO 96/35464	A1	11-14-1996	Perkins		
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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	13/369,609
				Filing Date	February 9, 2012
				First Named Inventor	Frederick E. Shelton, IV
				Art Unit	3721
				Examiner Name	Brian D. Nash
Attorney Docket Number	END5924USCNT2/060339CON2				
Sheet	81	of	82		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Disclosed Anonymously, "Motor-Driven Surgical Stapler Improvements," Research Disclosure Database Number 526041, Published: February 2008.	
		C.C. Thompson et al., "Peroral Endoscopic Reduction of Dilated Gastrojejunal Anastomosis After Roux-en-Y Gastric Bypass: A Possible New Option for Patients with Weight Regain," Surg Endosc (2006) Vol. 20, pp. 1744-1748.	
		B.R. Coolman, DVM, MS et al., "Comparison of Skin Staples With Sutures for Anastomosis of the Small Intestine in Dogs," Abstract; <a href="http://www.blackwell-synergy.com/doi/abs/10.1053/jvet.2000.7539?cookieSet=1&amp;journalCode=vsv">http://www.blackwell-synergy.com/doi/abs/10.1053/jvet.2000.7539?cookieSet=1&amp;journalCode=vsv</a> which redirects to <a href="http://www3.interscience.wiley.com/journal/119040681/abstract?CRETRY=1&amp;SRETRY=0">http://www3.interscience.wiley.com/journal/119040681/abstract?CRETRY=1&amp;SRETRY=0</a> ; [online] accessed: September 22, 2008 (2 pages).	
		The Sodem Aseptic Battery Transfer Kit, Sodem Systems, (2000), 3 pages.	
		"Biomedical Coatings," Fort Wayne Metals, Research Products Corporation, obtained online at <a href="http://www.fwmetals.com">www.fwmetals.com</a> on June 21, 2010 (1 page).	
		Van Meer et al., "A Disposable Plastic Compact Wrist for Smart Minimally Invasive Surgical Tools," LAAS/CNRS (August 2005).	
		Breedveld et al., "A New, Easily Miniaturized Sterrable Endoscope," IEEE Engineering in Medicine and Biology Magazine (November/December 2005).	
		D. Tuite, Ed., "Get The Lowdown On Ultracapacitors," November 15, 2007; [online] URL: <a href="http://electronicdesign.com/Articles/Print.cfm?ArticleID=17465">http://electronicdesign.com/Articles/Print.cfm?ArticleID=17465</a> , accessed January 15, 2008 (5 pages).	
		Datasheet for Panasonic TK Relays Ultra Low Profile 2 A Polarized Relay, Copyright Matsushita Electric Works, Ltd. (Known of at least as early as August 17, 2010), 5 pages.	
		ASTM procedure D2240-00, "Standard Test Method for Rubber Property-Durometer Hardness," (Published August 2000).	
		ASTM procedure D2240-05, "Standard Test Method for Rubber Property-Durometer Hardness," (Published April 2010).	
		United States Patent Application No. 12/031,542, filed February 14, 2008. (Attorney Docket No. END6267USNP/070389)	

Examiner Signature	/Brian Nash/ (02/25/2013)	Date Considered	
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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	13369609
<b>Filing Date:</b>	09-Feb-2012
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Filer:</b>	Dean L. Garner/Kimberly Moses
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2

Filed as Large Entity

### Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
Utility Appl Issue Fee	1501	1	1780	1780
Publ. Fee- Early, Voluntary, or Normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Extension-of-Time:</b>				
<b>Miscellaneous:</b>				
<b>Total in USD (\$)</b>				<b>2080</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	15951196
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Customer Number:</b>	92223
<b>Filer:</b>	Dean L. Garner/Kimberly Moses
<b>Filer Authorized By:</b>	Dean L. Garner
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	05-JUN-2013
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	08:13:56
<b>Application Type:</b>	Utility under 35 USC 111(a)

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1	Issue Fee Payment (PTO-85B)	END5924USCNT2IssueFeeTransmittal.pdf	178589 338d1a6caf882dc23053f6e311bfcfb294a5317	no	2

**Warnings:**

**Information:**

2	Fee Worksheet (SB06)	fee-info.pdf	32212 749e668eb3a66be192ad809c04f9c8fbcf63de	no	2
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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

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				Examiner Name	Brian D. Nash
				Attorney Docket Number	END5924USCNT2/060339CON2
Sheet	60	of	82		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		8,157,153 B2	04-17-2012	Shelton, IV et al.	
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		8,348,129 B2	01-08-2013	Bedi et al.	
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Change(s) applied  
 to documents,  
 /M.W./  
 4/8/2013

Examiner Signature	/Brian Nash/ (02/25/2013)	Date Considered	
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Sheet	19	of	82		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
		2012/0239012 A1		09-20-2012	Laurent et al.	
		2012/0239075 A1		09-20-2012	Widenhouse et al.	
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		2013/0041371 A1		02-14-2013	Yates et al.	
		66,052		06-25-1867	Smith	

Change(s) applied  
 to document  
 /M.W./  
 4/8/2013

Examiner Signature	Brian Nash/ (02/25/2013)	Date Considered	
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Sheet	18	of	82		

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		Number - Kind Code <sup>2</sup> (if known)				
		2012/0083833	A1	04-05-2012	Shelton, IV et al.	
		2012/0083834	A1	04-05-2012	Shelton, IV et al.	
		2012/0083835	A1	04-05-2012	Shelton, IV et al.	
		2012/0083836	A1	04-05-2012	Shelton, IV et al.	
		2012/0132450	A1	05-31-2012	Timm et al.	
		2012/0138660	A1	06-07-2012	Shelton, IV	
		2012/0160721	A1	06-28-2012	Shelton, IV et al.	
		2012/0175399	A1	07-06-2012	Shelton et al.	
		2012/0187179	A1	07-26-2012	Gleiman	
		2012/0199630	A1	08-09-2012	Shelton, IV et al.	
		2012/0199631	A1	08-09-2012	Shelton, IV et al.	
		2012/0199632	A1	08-09-2012	Spivey et al.	
		2012/0199633	A1	08-09-2012	Shelton, IV et al.	
		2012/0203247	A1	08-09-2012	Shelton, IV et al.	
		2012/0205421	A1	08-16-2012	Shelton, IV	
		2012/0234890	A1	09-20-2012	Aronhalt et al.	
		2012/0234891	A1	09-20-2012	Aronhalt et al.	
		2012/0234892	A1	09-20-2012	Aronhalt et al.	
		2012/0234893	A1	09-20-2012	Schuckmann et al.	
		2012/0234895	A1	09-20-2012	O'Connor et al.	
		2012/0234896	A1	09-20-2012	Ellerhorst et al.	
		2012/0234897	A1	09-20-2012	Shelton, IV et al.	
		2012/0234898	A1	09-20-2012	Shelton, IV et al.	
		2012/0234899	A1	09-20-2012	Scheib et al.	
		2012/0234900	A1	09-20-2012	Swayze	
		2012/0238823	A1	09-20-2012	Hagerty et al.	
		2012/0238824	A1	09-20-2012	Widenhouse et al.	
		2012/0238826	A1	09-20-2012	Yoo et al.	
		2012/0238829	A1	09-20-2012	Shelton, IV et al.	
		2012/0239009	A1	09-20-2012	Mollere et al.	
		2012/0239010	A1	09-20-2012	Shelton, IV et al.	

Change(s) applied  
to documents  
/M.W./  
4/8/2013

Examiner Signature	/Brian Nash/ (02/25/2013)	Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.N./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>CHANGE OF CORRESPONDENCE ADDRESS Application</b>  Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Application Number	13/369,609
	Filing Date	February 9, 2012
	First Named Inventor	Frederick E. Shelton, IV
	Art Unit	3721
	Examiner Name	Brian D. Nash
	Attorney Docket Number	END5924USCNT2/060339CON2

Please change the Correspondence Address for the above-identified patent application to:

The address associated with Customer Number:

**OR**

Firm or Individual Name Johnson & Johnson

Address One Johnson & Johnson Plaza

City New Brunswick State NJ Zip 08933-7003

Country USA

Telephone \_\_\_\_\_ Email \_\_\_\_\_

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

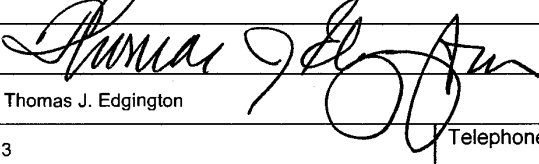
I am the:

Applicant/Inventor

Assignee of record of the entire interest. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

Attorney or agent of record. Registration Number 34,324

Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number \_\_\_\_\_

Signature 

Typed or Printed Name Thomas J. Edgington

Date June 19, 2013 Telephone (412) 355-8303

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	16081278
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Customer Number:</b>	92223
<b>Filer:</b>	Thomas J. Edgington/Theresa Merante
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	19-JUN-2013
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	16:52:01
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Change of Address	Change_of_Correspondence_Address.pdf	48349 <small>2839aaaaea7ceb531b59e3510b9f21438d84c0b2b</small>	no	1

### Warnings:

### Information:

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., ISSUE DATE, PATENT NO., ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 13/369,609, 07/09/2013, 8479969, END5924USCNT2/060339CON2, 9149

92223 7590 06/19/2013
K&L Gates LLP
210 SIXTH AVENUE
PITTSBURGH, PA 15222-2613

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Frederick E. Shelton IV, Hillsboro, OH;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<b>In re application of</b>	:	<b>Art Unit:</b> 3721
Frederick E. Shelton, IV	:	
	:	<b>Examiner:</b> Brian D. Nash
<b>Patent No.:</b> 8,479,969	:	
	:	
<b>Serial No.:</b> 13/369,609	:	
	:	
<b>Issue Date:</b> July 9, 2013	:	<b>Confirmation No.:</b> 9149
<b>Title:</b> DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT		

**REQUEST FOR CERTIFICATE OF CORRECTION**

March 8, 2017

Commissioner for Patents  
Office of Patent Publication  
ATTN: Certificate of Correction Branch  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Commissioner:

A certificate of correction is respectfully requested in the above-identified patent (the "Subject Patent"). The exact location of the error appearing in the patent is as follows:

On Page 174, Column 95, Line 59, in Claim 24, delete "distal" and insert -  
- proximal - -.

It is submitted that correction of this error, which is clerical in nature, does not require the addition of new matter to the Subject Patent, the reexamination of the Subject Patent, or materially affect the scope or meaning of the Subject Patent. It is therefore requested that a Certificate of Correction containing the correction noted on the attached form PTO/SB/44 be issued.

300590381\_1

*Application Serial No. 13/369,609*  
*Patent No. 8,820,603*  
*Attorney Docket No. END5924USCNT2/060339CON2*

The Office is hereby authorized to charge our Deposit Account 02-1818 for any fee deficiencies associated herewith.

Respectfully submitted,

/Thomas J. Edgington/

---

Thomas J. Edgington

Attorney for Applicant  
Registration No. 34,324

K&L Gates LLP  
K&L Gates Center  
210 Sixth Avenue  
Pittsburgh, Pennsylvania 15222  
Telephone (412) 355-8303  
Fax (412) 355-6501  
thomas.edgington@klgates.com

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 8,479,969

APPLICATION NO.: 13/369,609

ISSUE DATE : July 9, 2013

INVENTOR(S) : Frederick E. Shelton, IV

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

-In Column 95, Line 59, in Claim 24, delete "distal"; and insert - - proximal - -.

**MAILING ADDRESS OF SENDER (Please do not use Customer Number below):**

Thomas J. Edgington, K&L Gates LLP  
K&L Gates Center  
210 Sixth Avenue  
Pittsburgh, PA 15222-2613

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	13369609			
<b>Filing Date:</b>	09-Feb-2012			
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT			
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton			
<b>Filer:</b>	Thomas J. Edgington/Mona Cornelia			
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2			
Filed as Large Entity				
<b>Filing Fees for Utility under 35 USC 111(a)</b>				
<b>Description</b>	<b>Fee Code</b>	<b>Quantity</b>	<b>Amount</b>	<b>Sub-Total in USD(\$)</b>
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
Certificate of correction	1811	1	100	100

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Extension-of-Time:</b>				
<b>Miscellaneous:</b>				
<b>Total in USD (\$)</b>				<b>100</b>

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	28573882
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Correspondence Address:</b>	Johnson & Johnson - One Johnson & Johnson Plaza - New Brunswick NJ 08933-7003 US - -
<b>Filer:</b>	Thomas J. Edgington/Mona Cornelia
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	08-MAR-2017
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	17:22:18
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$100

RAM confirmation Number	030917INTEFSW00004373021818				
Deposit Account	021818				
Authorized User	Mona Cornelia				
<p>The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:</p> <p>37 CFR 1.16 (National application filing, search, and examination fees)</p> <p>37 CFR 1.17 (Patent application and reexamination processing fees)</p> <p>37 CFR 1.20 (Post Issuance fees)</p>					
<b>File Listing:</b>					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	Request-for-Certificate-of-Correction-03-08-2017.pdf	99894	no	2
			aabf5b50f279caecab708871e5a8487cd98eb6c6		
<b>Warnings:</b>					
<b>Information:</b>					
2	Request for Certificate of Correction	Certificate-of-Correction-Form-PTO-SB-44.pdf	147566	no	2
			eaac9f6ffe4391d0070404b01990d1bd393f0fa2		
<b>Warnings:</b>					
<b>Information:</b>					
3	Fee Worksheet (SB06)	fee-info.pdf	30626	no	2
			97cad7045b330cc912dd4bf274c29da9452edf06		
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			278086		



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**New Applications Under 35 U.S.C. 111**

**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

**National Stage of an International Application under 35 U.S.C. 371**

**If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.**

**New International Application Filed with the USPTO as a Receiving Office**

**If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.**

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : 8,479,969

APPLICATION NO.: 13/369,609

ISSUE DATE : July 9, 2013

INVENTOR(S) : Frederick E. Shelton, IV

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- Column 88, Lines 35 and 36, in Claim 1, delete "gear driven" and insert - - gear-driven - -;
- Column 88, Line 54, in Claim 1, delete "gear driven" and insert - - gear-driven - -;
- Column 88, Line 58, in Claim 2, delete "gear driven" and insert - - gear-driven - -;
- Column 88, Line 59, in Claim 2, delete "said proximal end portion" and insert - - a proximal end portion - -;
- Column 88, Line 65, in Claim 3, delete "a proximal end portion" and insert - - said proximal end portion - -;
- Column 89, Line 11, in Claim 3, delete "said open" and insert - - said first open - -;
- Column 89, Line 17, in Claim 5, delete "gear driven" and insert - - gear-driven - -;
- Column 89, Lines 48 and 49, in Claim 8, delete "at least one of said gear driven portions" and insert - - at least one gear-driven portions - -;
- Column 90, Line 6, in Claim 10, delete "portion";
- Column 90, Lines 31 and 32, in Claim 12, delete "distal portion" and insert - - distal spine portion - -;
- Column 90, Line 42, in Claim 14, delete "said" and insert - - a - -;
- Column 91, Line 47, in Claim 17, delete "a corresponding first rotatable body portion" and insert - - a corresponding first one of said rotatable body portions - -;
- Column 91, Line 62, in Claim 17, delete "first" and "second";
- Column 92, Line 3, in Claim 17, delete "of rotatable" and insert - - of said rotatable - -;
- Column 92, Lines 25 and 26, in Claim 17, delete "a corresponding third rotatable body portion" and insert - - a corresponding third one of said rotatable body portions - -;
- Column 92, Line 37, in Claim 17, delete "surgical";
- Column 92, Line 38, in Claim 17, delete "said" and insert - - a - -;
- Column 92, Line 47, in Claim 18, delete "said effector" and insert - - said end effector - -;

## MAILING ADDRESS OF SENDER (Please do not use Customer Number below):

Thomas J. Edgington, K&L Gates LLP  
K&L Gates Center  
210 Sixth Avenue  
Pittsburgh, PA 15222-2613

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 2

PATENT NO. : 8,479,969

APPLICATION NO.: 13/369,609

ISSUE DATE : July 9, 2013

INVENTOR(S) : Frederick E. Shelton, IV

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- Column 92, Line 60, in Claim 18, delete "said effector" and insert -- an --;
- Column 92, Line 61, in Claim 18, delete "said effector" and insert -- a --;
- Column 92, Line 67, in Claim 18, delete "the" and insert -- said --;
- Column 94, Line 45, in Claim 21, delete "gear driven" and insert -- gear-driven --;
- Column 94, Line 49, in Claim 22, delete "of said gear driven" and insert -- gear-driven --;
- Column 94, Line 63, in Claim 22, delete "to rotary" and insert -- to said rotary --;
- Column 95, Line 27, in Claim 23, after "shaft", insert -- assembly --;
- Column 96, Line 12, in Claim 24, delete "gear driven", insert -- gear-driven --; and
- Column 96, Line 22, in Claim 26, delete "said", insert -- a --.

**MAILING ADDRESS OF SENDER (Please do not use Customer Number below):**

Thomas J. Edgington, K&L Gates LLP  
K&L Gates Center  
210 Sixth Avenue  
Pittsburgh, PA 15222-2613

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re application of** : **Art Unit:** 3721  
Frederick E. Shelton, IV :  
: **Examiner:** Brian D. Nash  
**Patent No.:** 8,479,969 :  
: **Serial No.:** 13/369,609 :  
: **Issue Date:** July 9, 2013 : **Confirmation No.:** 9149  
**Title:** DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE  
SURGICAL TOOL TO A ROBOT

**REQUEST FOR CERTIFICATE OF CORRECTION**

March 20, 2017

Commissioner for Patents  
Office of Patent Publication  
ATTN: Certificate of Correction Branch  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Commissioner:

A certificate of correction is respectfully requested in the above-identified patent (the "Subject Patent"). The exact location of the errors appearing in the patent are as follows:

On Page 170, Column 88, Lines 35 and 36, in Claim 1, delete "gear driven" and insert - - gear-driven - -;

On Page 170, Column 88, Line 54, in Claim 1, delete "gear driven" and insert - - gear-driven - -;

On Page 170, Column 88, Line 58, in Claim 2, delete "gear driven" and insert - - gear-driven - -;

On Page 170, Column 88, Line 59, in Claim 2, delete "said proximal end portion" and insert - - a proximal end portion - -;

On Page 170, Column 88, Line 65, in Claim 3, delete "a proximal end portion" and insert - - said proximal end portion - -;

On Page 171, Column 89, Line 11, in Claim 3, delete "said open"

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and insert - - said first open - -;

On Page 171, Column 89, Line 17, in Claim 5, delete “gear driven” and insert - - gear-driven - -;

On Page 171, Column 89, Lines 48 and 49, in Claim 8, delete “at least one of said gear driven portions” and insert - - at least one gear-driven portions - -;

On Page 171, Column 90, Line 6, in Claim 10, delete “portion”;

On Page 171, Column 90, Lines 31 and 32, in Claim 12, delete “distal portion” and insert - - distal spine portion - -;

On Page 171, Column 90, Line 42, in Claim 14, delete “said” and insert - - a - -;

On Page 172, Column 91, Line 47, in Claim 17, delete “a corresponding first rotatable body portion” and insert - - a corresponding first one of said rotatable body portions - -;

On Page 172, Column 91, Line 62, in Claim 17, delete “first” and “second”;

On Page 172, Column 92, Line 3, in Claim 17, delete “of rotatable” and insert - - of said rotatable - -;

On Page 172, Column 92, Lines 25 and 26, in Claim 17, delete “a corresponding third rotatable body portion” and insert - - a corresponding third one of said rotatable body portions - -;

On Page 172, Column 92, Line 37, in Claim 17, delete “surgical”;

On Page 172, Column 92, Line 38, in Claim 17, delete “said” and insert - - a - -;

On Page 172, Column 92, Line 47, in Claim 18, delete “said effector” and insert - - said end effector - -;

On Page 172, Column 92, Line 60, in Claim 18, delete “said effector” and insert - - an - -;

On Page 172, Column 92, Line 61, in Claim 18, delete “said effector” and insert - - a - -;

On Page 172, Column 92, Line 67, in Claim 18, delete “the” and

insert - - said - -;

On Page 173, Column 94, Line 45, in Claim 21, delete "gear driven" and insert - - gear-driven - -;

On Page 173, Column 94, Line 49, in Claim 22, delete "of said gear driven" and insert - - gear-driven - -;

On Page 173, Column 94, Line 63, in Claim 22, delete "to rotary" and insert - - to said rotary - -;

On Page 174, Column 95, Line 27, in Claim 23, after "shaft", insert - - assembly - -;

On Page 174, Column 96, Line 12, in Claim 24, delete "gear driven", insert - - gear-driven - -; and

On Page 174, Column 96, Line 22, in Claim 26, delete "said", insert - - a - -.

It is submitted that correction of these errors, which are clerical in nature, does not require the addition of new matter to the Subject Patent, the reexamination of the Subject Patent, or materially affect the scope or meaning of the Subject Patent. It is therefore requested that a Certificate of Correction containing the corrections noted on the attached form PTO/SB/44 be issued.

The Office is hereby authorized to charge our Deposit Account 02-1818 for any fee deficiencies associated herewith.

Respectfully submitted,

/Thomas J. Edgington/

---

Thomas J. Edgington  
Attorney for Applicant  
Registration No. 34,324

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thomas.edgington@klgates.com

## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	13369609			
<b>Filing Date:</b>	09-Feb-2012			
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT			
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton			
<b>Filer:</b>	Thomas J. Edgington/Mona Cornelia			
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2			
Filed as Large Entity				
<b>Filing Fees for Utility under 35 USC 111(a)</b>				
<b>Description</b>	<b>Fee Code</b>	<b>Quantity</b>	<b>Amount</b>	<b>Sub-Total in USD(\$)</b>
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
Certificate of correction	1811	1	100	100



Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Extension-of-Time:</b>				
<b>Miscellaneous:</b>				
<b>Total in USD (\$)</b>				<b>100</b>

<b>Electronic Acknowledgement Receipt</b>	
<b>EFS ID:</b>	28682472
<b>Application Number:</b>	13369609
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9149
<b>Title of Invention:</b>	DRIVE INTERFACE FOR OPERABLY COUPLING A MANIPULATABLE SURGICAL TOOL TO A ROBOT
<b>First Named Inventor/Applicant Name:</b>	Frederick E. Shelton
<b>Correspondence Address:</b>	Johnson & Johnson - One Johnson & Johnson Plaza - New Brunswick NJ 08933-7003 US - -
<b>Filer:</b>	Thomas J. Edgington/Mona Cornelia
<b>Filer Authorized By:</b>	Thomas J. Edgington
<b>Attorney Docket Number:</b>	END5924USCNT2/060339CON2
<b>Receipt Date:</b>	20-MAR-2017
<b>Filing Date:</b>	09-FEB-2012
<b>Time Stamp:</b>	19:18:41
<b>Application Type:</b>	Utility under 35 USC 111(a)

**Payment information:**

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$100

RAM confirmation Number	032117INTEFSW00006660021818				
Deposit Account	021818				
Authorized User	Mona Cornelia				
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.20 (Post Issuance fees)					
<b>File Listing:</b>					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	Certificate-of-Correction-Form-PTO-SB-44-03-20-2017.pdf	155423	no	3
			7d88ddf55879ded9b283993b76dbfa7e4d7d58b		
<b>Warnings:</b>					
<b>Information:</b>					
2	Request for Certificate of Correction	Request-for-Certificate-of-Correction-03-20-2017.pdf	101574	no	3
			b77ffc3877e868344d5a595b78ecad12914ad9d		
<b>Warnings:</b>					
<b>Information:</b>					
3	Fee Worksheet (SB06)	fee-info.pdf	30625	no	2
			068e19cebfc8016345a5299705954e4a3df0fae		
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			287622		

**This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.**

**New Applications Under 35 U.S.C. 111**

**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

**National Stage of an International Application under 35 U.S.C. 371**

**If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.**

**New International Application Filed with the USPTO as a Receiving Office**

**If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.**

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 8,479,969 B2  
APPLICATION NO. : 13/369609  
DATED : July 9, 2013  
INVENTOR(S) : Frederick E. Shelton, IV

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- Column 88, Lines 35 and 36, in Claim 1, delete “gear driven” and insert -- gear-driven --;
- Column 88, Line 54, in Claim 1, delete “gear driven” and insert -- gear-driven --;
- Column 88, Line 58, in Claim 2, delete “gear driven” and insert -- gear-driven --;
- Column 88, Line 59, in Claim 2, delete “said proximal end portion” and insert -- a proximal end portion --;
- Column 88, Line 65, in Claim 3, delete “a proximal end portion” and insert -- said proximal end portion --;
- Column 89, Line 11, in Claim 3, delete “said open” and insert -- said first open --;
- Column 89, Line 17, in Claim 5, delete “gear driven” and insert -- gear-driven --;
- Column 89, Lines 48 and 49, in Claim 8, delete “at least one of said gear driven portions” and insert -- at least one gear-driven portions --;
- Column 90, Line 6, in Claim 10, delete “portion”;
- Column 90, Lines 31 and 32, in Claim 12, delete “distal portion” and insert -- distal spine portion --;
- Column 90, Line 42, in Claim 14, delete “said” and insert -- a --;
- Column 91, Line 47, in Claim 17, delete “a corresponding first rotatable body portion” and insert -- a corresponding first one of said rotatable body portions --;
- Column 91, Line 62, in Claim 17, delete “first” and “second”;
- Column 92, Line 3, in Claim 17, delete “of rotatable” and insert -- of said rotatable --;
- Column 92, Lines 25 and 26, in Claim 17, delete “a corresponding third rotatable body portion” and insert -- a corresponding third one of said rotatable body portions --;
- Column 92, Line 37, in Claim 17, delete “surgical”;
- Column 92, Line 38, in Claim 17, delete “said” and insert -- a --;
- Column 92, Line 47, in Claim 18, delete “said effector” and insert -- said end effector --;
- Column 92, Line 60, in Claim 18, delete “said effector” and insert -- an --;
- Column 92, Line 61, in Claim 18, delete “said effector” and insert -- a --;
- Column 92, Line 67, in Claim 18, delete “the” and insert -- said --;
- Column 94, Line 45, in Claim 21, delete “gear driven” and insert -- gear-driven --;

Signed and Sealed this  
Second Day of May, 2017



Michelle K. Lee  
*Director of the United States Patent and Trademark Office*

**CERTIFICATE OF CORRECTION (continued)**

Page 2 of 2

**U.S. Pat. No. 8,479,969 B2**

- Column 94, Line 49, in Claim 22, delete “of said gear driven” and insert -- gear-driven --;
- Column 94, Line 63, in Claim 22, delete “to rotary” and insert -- to said rotary --;
- Column 95, Line 27, in Claim 23, after “shaft”, insert -- assembly --;
- Column 96, Line 12, in Claim 24, delete “gear driven”, insert -- gear-driven --; and
- Column 96, Line 22, in Claim 26, delete “said”, insert -- a --.

AO 120 (Rev. 08/10)

TO: <b>Mail Stop 8</b> <b>Director of the U.S. Patent and Trademark Office</b> <b>P.O. Box 1450</b> <b>Alexandria, VA 22313-1450</b>	<b>REPORT ON THE</b> <b>FILING OR DETERMINATION OF AN</b> <b>ACTION REGARDING A PATENT OR</b> <b>TRADEMARK</b>
---	---

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court \_\_\_\_\_ for the District of Delaware \_\_\_\_\_ on the following

Trademarks or  Patents. (  the patent action involves 35 U.S.C. § 292.);

DOCKET NO.	DATE FILED 6/30/2017	U.S. DISTRICT COURT for the District of Delaware
PLAINTIFF ETHICON LLC, et al.		DEPENDANT INTUITIVE SURGICAL, INC., et al.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 9,585,658 B2	3/7/2017	Ethicon LLC
2 8,479,969 B2	7/9/2013	Ethicon LLC
3 9,113,874 B2	8/25/2015	Ethicon LLC
4 8,998,058 B2	4/7/2015	Ethicon LLC
5 8,991,677 B2	3/31/2015	Ethicon LLC
6. 9,084,601 B2	7/21/2015	Ethicon LLC

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK
HOLDER OF PATENT OR TRADEMARK	
1	
2	
3	
4	
5	

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT
--------------------

CLERK	(BY) DEPUTY CLERK	DATE
-------	-------------------	------

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director  
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 8,479,969 B2  
APPLICATION NO. : 13/369609  
DATED : July 9, 2013  
INVENTOR(S) : Frederick E. Shelton, IV

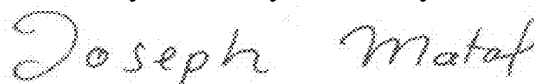
Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

-In Column 95, Line 59, in Claim 24, delete "distal"; and insert -- proximal --.

Signed and Sealed this  
Twenty-third Day of January, 2018



Joseph Matal  
*Performing the Functions and Duties of the  
Under Secretary of Commerce for Intellectual Property and  
Director of the United States Patent and Trademark Office*





UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P. O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/369,609	02/09/2012	Frederick E. Shelton IV	END5924USCNT2/060339CON2	9149

7590 01/09/2018  
Johnson & Johnson  
One Johnson & Johnson Plaza  
New Brunswick, NJ 08933-7003

EXAMINER

NASH, BRIAN D

ART UNIT	PAPER NUMBER
3721	

MAIL DATE	DELIVERY MODE
01/09/2018	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.



**UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner for Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450  
www.uspto.gov

Patent No. 8479969  
Issued Date: 09 July, 2013  
Appl. No: 13/369,609  
Filed.: 09 February 2012

**PART (A) RESPONSE FOR CERTIFICATES OF CORRECTION**

This is a decision on the Certificate of Correction request filed 08 March 2017.

The request for issuance of Certificate of Correction for the above-identified correction(s) under the provisions of 37 CFR 1.322 and/or 1.323 is hereby:

(Check one)

Approved       Approved in Part       Denied

Comments:

**PART (B) PETITION UNDER 37 CFR 1.324 OR 37 CFR 1.48**

This is a decision on the petition filed \_\_\_\_\_ to correct inventorship under 37 CFR 1.324.

This is a decision on the request under 37 CFR 1.48, petition filed \_\_\_\_\_. In view of the fact that the patent has already issued, the request under 37 CFR 1.48 has been treated as a petition to correct inventorship under 37 CFR 1.324.

The petition is hereby:       Granted       Dismissed

Comment:

The patented filed is being forwarded to Certificate of Corrections Branch for issuance of a certificate naming only the actual inventor or inventors.

/THANH TRUONG/  
Supervisory Patent Examiner, Art Unit 3721  
Technology Center 3700  
Phone: (571)272-4472

Certificates of Correction Branch email: CustomerServiceCoC@uspto.gov CoC Central Phone Number: (703) 756-1814