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| | Filing Date | 2018-07-18 |
| | First Named Inventor | Bonutti |
| | Art Unit | |
| | Examiner Name | |
| | Attorney Docket Number | 7804-A17-012Y-17 ids 8 |

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| | 3 | 4242889 | DE | A1 | 1994-06-23 | B. Nies | | |

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|--------------------|---------|---|----------------|
| | 1 | G. Aldinger, Computer-aided Manufacture of Individual Endoprostheses, Arch Orthop Trauma Surg (1983) 102: 31-35 | |
| | 2 | K. R. Berend, Mobile-bearing Unicompartmental Knee Arthroplasty (UKA), Featured Article | |
| | 3 | R. A. Berger, Unicompartmental Knee Arthroplasty, Clinical Orthopaedics and Related Research, Number 367, pp. 60-60, 1999 | |
| | 4 | S. Bernardino, Total elbow arthroplasty: history, current concepts, and future, Clinical Rheumatology , 2010 | |
| | 5 | T. L. Bernasek, Unicompartmental Porous Coated Anatomic Total Knee Arthroplasty, 1988 | |
| | 6 | J. M. Bert, Universal Intramedullary Instrumentation for Unicompartmental Total Knee Arthroplasty, Clinical Orthopaedics and Related Research, Number 271, 1991 | |
| | 7 | P.M. Bonutti, Scientific evidence for the use of modern unicompartmental knee arthroplasty, Expert Review of Medical Devices. 7.2, pp. 219, 2010 | |
| | 8 | J. A. Epinette, Hydroxyapatite-Coated Unicompartmental Knee Replacement, Unicompartmental Knee Arthroplasty, 1997 | |
| | 9 | M. Fadda, Computer Assisted Planning for Total Knee Arthroplasty, 1997 | |

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| | |
|----|--|
| 10 | J. N. Insall, Surgery of the Knee- Second Edition, Churchill Livingstone Inc, 1993 |
| 11 | T. C. Kienzle, A Computer-Assisted Total Knee Replacement Surgical System Using a Calibrated Robot, 1996 |
| 12 | M. Marcacci, Computer- Assisted Knee Arthroplasty, 1996 |
| 13 | Ph. Hernigou, M.D., Unicompartmental Knee, 1997 |
| 14 | F. F. Buechel, "Floating-Socket" Total Shoulder Replacement: Anatomical, Biomechanical, and Surgical Rationale, John Wiley & Sons, Inc., 1978 |
| 15 | F. F. Buechel, "The New Jersey Low-Contact Stress Knee Replacement System: Biomechanical Rationale and Review of the First 123 Cemented Cases, Archives of Orthopaedic and Traumatic Surgery, 1986 |
| 16 | F. F. Buechel, Mobile-Bearing Kneee Arthroplasty, The Journal of Arthroplasty Vol. 19 No.4 Suppl. 1, 2004 |
| 17 | H. E. Cates, Intramedullary Versus Extramedullary Femoral Alignment Systems in Total Knee Replacement, Clinical Orthopaedics and Related Research, Number 286, 1993 |
| 18 | B. L. Davies, ACROBOT- Using Robots and Surgeons Synergisitically in Knee Surgery, ICAR' 97, July 7-9, 1997 |
| 19 | S.L. Delp, Computer Assisted Knee Replacement, Clinical Orthopaedics and Related Research, Number 354, pp 49-56, 1998 |
| 20 | D. A. Dennis, Intramedullary Versus Extramedullary Tibial Alignment Systems in Total Knee Arthroplasty, The Journal of Arthroplasty Vol. 8 No.1, 1993 |

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| | |
|----|---|
| 21 | G. A. Engh, Comparative Experience With Intramedullary and Extramedullary Alignment in Total Knee Arthroplasty, 1990 |
| 22 | J. Goodfellow, The Mechanics of the Knee and Prosthesis Design, The Journal of Bone and Joint Surgery, 1978 |
| 23 | J.W. Goodfellow, Unicompartmental Oxford Meniscal Knee Arthroplasty, 1987 |
| 24 | S. B. Haas, Minimally Invasive Total Knee Replacement through a Mini Midvastus Approach, Clinical Orthopaedics and Related Research, Number 428, 99 68-73, 2004 |
| 25 | S. J. Harris, Experiences with Robotic Systems for Knee Surgery, 1997 |
| 26 | T. J. Heyse, Lateral unicompartmental knee arthroplasty: a review, Arch Orthop Trauma Surg 130: 1539-1548, 2010 |
| 27 | G. A. Horton, Femoral Pulse as a Guide to the Mechanical Axis in Total Knee Arthroplasty, The Journal of Arthroplasty Vol. 10 No. 6, 1995 |
| 28 | (K060017) MAKO Surgical Corp., Knee joint femorotibial metal/polymer non-constrained cemented prosthesis, 2006 |
| 29 | (K072806) MAKO Surgical Corp., Tactile Guidance System (TGS), 2008 |
| 30 | (K091263) Zimmer Patient Specific Instruments, 2009 |
| 31 | T. C. Kienzle, An Integrated CAD-Robotics System for Total Knee Replacement Surgery, 1992 |

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| | |
|----|--|
| 32 | J. T. Lea, Registration and immobilization in robot-assisted surgery, Journal of Image Guided Surgery pp 80-87, 1995 |
| 33 | D. L. MacIntosh, Joint Meeting of the Orthopaedic Associations of the English-Speaking World, The Journal of Bone and Joint Surgery, 1958 |
| 34 | M. Marcacci, A Navigation Sytem for Computer Assisted Unicompartmental Arthroplasty, Springer-Verlag Berlin Heidelberg, 2000 |
| 35 | M. Martelli, Computer- and Robot- Assisted Total Knee Replacement: Analysis of a New Surgical Procedure, Annals of Biomedical Engineering, Vol 28, pp 1146-1153, 2000 |
| 36 | (P010014) Department of Health & Human Services, 2004 |
| 37 | (P010014A) Department of Health & Human Services, 2004 |
| 38 | P. F. La Palombara, Minimally invasive 3D data registration in computer and robot assisted total knee arthroplasty, Medical & Biological Engineering & Computing, 1997 |
| 39 | M. Peshkin, Total Knee Replacement, IEEE Engineering in Medicine and Biology, 1995 |
| 40 | K. Radermacher, Computer Assisted Orthopaedic Surgery with Image Based Individual Templates, Clinical Orthopaedics and Related Research Number 354, pp 28-38, 1998 |
| 41 | L. Regner, Ceramic Coating Improves Tibial Component Fixation in Total Knee Arthroplasty, Churchill Livingstone, 1998 |
| 42 | J. A. Repicci, Minimally Invasive Surgical Technique for Unicdylar Knee Arthroplasty, Journal of the Southern Orthopaedic Association Vol. 8 No. 1, 1999 |

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