UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD
NEVRO CORP. Petitioner
v.
BOSTON SCIENTIFIC NEUROMODULATION CORP. Patent Owner
Case IPR No. IPR2018-00147 U.S. Patent 8,650,747

DECLARATION OF MICHAEL PLISHKA



TABLE OF CONTENTS

I.	Introduction1			
II.	Summary of my opinions			
III.	Qualifications			
IV.	Materials considered			
V.	Relevant legal standards			
	A.	Level of ordinary skill	5	
	B.	Claim construction	6	
	C.	Obviousness	8	
VI.	The '	747 patent	9	
	A.	Overview of implantable stimulation leads	9	
	B.	Overview of the claimed invention	.12	
VII.	Over	view of the prior art	26	
	A.	Stolz overview	26	
	B.	Ormsby overview	.34	
	C.	Verness overview	36	
	D.	Black overview	37	
	E.	The Modern Plastics Encyclopedia overview	.40	
VIII.		combination of Stolz, Ormsby, and Black renders obvious claims 1-	<i>1</i> 1	
	19 01 A.	Independent claim 1		
	71.	1. "A stimulation lead assembly for making a lead, the assembly comprising:"		
		2. "a lead body defining a central lumen extending along the lead body and a plurality of conductor lumens disposed circumferentially around the central lumen and extending along the lead body;"	44	
		3. "a plurality of electrically conductive contacts disposed along an end of the lead body, wherein a portion of each of the conductor lumens is disposed radially underneath the conductive contacts;"	45	



	4.	"a plurality of conductor wires disposed in the conductor lumens, wherein at least one of the conductor wires is electrically connected to each conductive contact, wherein each conductor lumen comprises an occupied portion within which at least one of the conductor wires is disposed and an unoccupied portion in which none of the conductor wires is disposed, the unoccupied portion extending from an end of the conductor lumen; and"		
	5.	"a solid, non-conductive material disposed, at least in part, radially underneath the conductive contacts and filling the unoccupied portion of at least one of the conductor lumens,"	'.51	
	6.	"wherein the non-conductive material is thermally fused with the lead body from heat applied to the lead assembly, which heat is at a temperature to cause the non-conductive material to thermally reflow or melt."	61	
B.	Claim 2			
	1.	"The lead assembly of claim 1,"	64	
	2.	"comprising a plurality of spacers disposed between adjacent pairs of the conductive contacts."	64	
C.	Clai	Claim 3		
	1.	"The lead assembly of claim 2,"	65	
	2.	"wherein the spacers and the non-conductive material arc [sic] thermally fused together from heat applied to the lead assembly."	65	
D.	Clai	m 4	66	
	1.	"The lead assembly of claim 3,"	66	
	2.	"wherein a material of the spacers and the non-conductive material are a same material."	67	
E.	Claim 5			
	1.	"The lead assembly of claim 3,"	68	
	2.	"wherein a material of the spacers and the non-conductive material are different materials."	68	
F.	Clai	m 6	69	
	1.	"The lead assembly of claim 1,"	69	



	2.	"wherein the plurality of electrically conductive contacts are located on a proximal end of the stimulation lead."		
G.	Claiı	m 7		
	1.	"The lead assembly of claim 1,"		
	2.	"wherein the plurality of electrically conductive contacts are located on a distal end of the stimulation lead."	2	
H.	Clair	m 8	71	
	1.	"The lead assembly of claim 1,"	71	
	2.	"wherein the non-conductive material is Polyurethane."	72	
I.	Claim 9			
	1.	"The lead assembly of claim 1"	73	
	2.	"wherein the plurality of conductor lumens is exactly eight conductor lumens."	73	
J.	Clair	m 10	74	
	1.	"The lead assembly of claim 1,"	74	
	2.	"wherein the non-conductive material fills the unoccupied portion of each of the conductor lumens."	74	
K.	Independent claim 1173			
	1.	"A stimulation lead assembly for making a lead, the assembly comprising:"	75	
	2.	"a lead body defining a central lumen extending along the lead body and a plurality of conductor lumens disposed circumferentially around the central lumen and extending along the lead body;"	76	
	3.	"a plurality of electrically conductive contacts disposed along an end of the lead body, wherein a portion of each of the conductor lumens is disposed radially underneath the conductive contacts;"	76	
	4.	"a plurality of conductor wires disposed in the conductor lumens, wherein at least one of the conductor wires is electrically connected to each conductive contact; and"	76	
	5.	"a solid, non-conductive material disposed, at least in part, radially underneath the conductive contacts within portions of the conductor lumens not occupied by conductor wire."	77	



L.	Claim 12		
	1.	"The lead assembly of claim 11,"	77
	2.	"wherein the non-conductive material is thermally fused with the lead body from heat applied to the lead assembly, which heat is at a temperature to cause the non-conductive material, to thermally reflow or melt."	78
M.	Clain	n 13	78
	1.	"The lead assembly of claim 11,"	78
	2.	"comprising a plurality of spacers disposed between adjacent pairs of the conductive contacts."	78
N.	Clain	n 14	
	1.	"The lead assembly of claim 13,"	
	2.	"wherein the spacers and the non-conductive material are thermally fused together from heat applied to the lead assembly."	79
O.	Claim 157		
	1.	"The lead assembly of claim 11,"	
	2.	"wherein a material of the spacers and the non-conductive material are a same material."	
P.	Clain	n 16	79
	1.	"The lead assembly of claim 11,"	79
	2.	"wherein a material of the spacers and the non-conductive material are different materials."	80
Q.	Clain	n 17	80
	1.	"The lead assembly of claim 11,"	80
	2.	"wherein the plurality of electrically conductive contacts are located on a proximal end of the stimulation lead."	
R.	Claim 18		
	1.	"The lead assembly of claim 11,"	80
	2.	"wherein the plurality of electrically conductive contacts are located on a distal end of the stimulation lead."	
S.	Clain	n 19	81
	1.	"The lead assembly of claim 11,"	81



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