

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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T-MOBILE USA, INC.; T-MOBILE US, INC.;  
SPRINT SPECTRUM L.P; SPRINTCOM, INC.

Petitioner

v.

INTELLECTUAL VENTURES II LLC,

Patent Owner

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Case IPR2018-\_\_\_\_\_  
U.S. Patent No. 8,682,357

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**PETITION FOR *INTER PARTES* REVIEW**

## TABLE OF CONTENTS

I.	INTRODUCTION .....	1
II.	MANDATORY NOTICES PURSUANT TO 37 C.F.R. § 42.8 .....	2
A.	Real Party-In-Interest .....	2
1.	Sprint Real Parties-In-Interest.....	2
2.	T-Mobile Real Parties-In-Interest.....	2
B.	Related Matters.....	3
C.	Lead and Back-up Counsel (37 C.F.R. § 42.8(b)(3)).....	3
D.	Service Information (37 C.F.R. § 42.8(b)(4)) .....	2
E.	Payment of Fees .....	2
III.	GROUND FOR STANDING.....	2
IV.	FIELD OF THE '357 PATENT AND THE RELATED PRIOR ART.....	2
A.	Wireless Cellular Technology.....	2
B.	Background of Cellular Paging .....	4
C.	The Alleged Improvement of the '357 Patent.....	5
D.	Prior Art.....	8
E.	The Prosecution History of the '357 Patent .....	11
V.	LEVEL OF ORDINARY SKILL IN THE ART .....	12
VI.	CLAIM CONSTRUCTION .....	13
VII.	REQUESTED RELIEF .....	14
VIII.	IDENTIFICATION OF CHALLENGE .....	14

A.	Statutory Grounds of Challenge.....	14
1.	LG Patent is Prior Art Under § 102(e) as it Validly Claims Priority to the Filing Date of its Provisional Application.....	15
2.	Montejo is Prior Art Under §102(e) as it Validly Claims Priority to the Filing Date of its Provisional Application.....	23
IX.	IDENTIFICATION OF HOW THE CLAIMS ARE UNPATENTABLE....	30
A.	Ground 1: LG Patent in view of the Montejo Patent Renders Claims 11-14, 19, 30-33, 38, 47-50, and 54 Unpatentable Under 35 U.S.C. § 103(a).....	30
1.	Summary of the LG Patent .....	30
2.	Summary of the Montejo Patent.....	32
3.	Reasons to Combine the LG Patent and the Montejo Patent ...	35
4.	Claim 11 is Unpatentable.....	40
5.	Claim 12.....	53
6.	Claim 13.....	55
7.	Claim 14.....	57
8.	Claim 19.....	58
9.	Claim 30.....	59
10.	Claim 31 .....	62
11.	Claim 32.....	62
12.	Claim 33 .....	62
13.	Claim 38.....	62
14.	Claim 47 .....	62
15.	Claim 48.....	64

16.	Claim 49 .....	65
17.	Claim 50 .....	65
18.	Claim 54 .....	65
X.	CONCLUSION.....	65

**TABLE OF AUTHORITIES**

**Cases**

<i>Ariad Pharm., Inc. v. Eli Lilly and Co.</i> , 598 F.3d 1336 (Fed. Cir. 2010).....	17
<i>Dynamic Drinkware, LLC v. National Graphics, Inc.</i> 800 F.3d 1375 (Fed. Cir. 2015) .....	16
<i>In re GPAC Inc.</i> , 57 F.3d 1573 (Fed. Cir. 1995) .....	12
<i>In re Trans Texas Holdings Corp.</i> , 498 F.3d 1290 (Fed. Cir. 2007) .....	13
<i>In re Translogic Tech., Inc.</i> , 504 F.3d 1249 (Fed. Cir. 2007) .....	13
<i>KSR v. Teleflex</i> , 550 U.S. 398 (2007) .....	39
<i>Merck Sharp &amp; Dohme, et al. v. Microspherix</i> , IPR2018-00393, Paper 13 (PTAB July 9, 2018).....	17
<i>Phillips v. AWH Corp.</i> , 415 F.3d 1303 (Fed. Cir. 2005) .....	14
<i>Wellman, Inc. v. Eastman Chem. Co.</i> , 642 F.3d 1355 (Fed. Cir. 2011) .....	14

**Regulations**

37 C.F.R. § 1.78 .....	17
37 C.F.R. § 42.100(b) .....	13

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