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Patent Information (desired but not required for options 1 and 2; required in ITU for option 3 (NOTE))

No.	Status	Country	Granted Patent Number or	Title
	[granted/ pending]		Application Number (if pending)	
1	Granted	US	US8964849B2	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
2	Pending	US	US20150189280A1	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
3	Pending	EP	EP2876883A1	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
4	Granted	EP	EP2590409B1	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
5	Granted	AU	2012244144	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
6	Pending	BR	1020120279681	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
7	Granted	CA	2793068	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
8	Pending	CN	105872550	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
9	Granted	CN	103096065	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
10	Granted	DE	602011012835.3	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
11	Granted	FI	2590409	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
12	Granted	FR	2590409	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
13	Granted	GB	2590409	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
14	Granted	HK	1182243	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
15	Pending	HK	1211155	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
16	Pending	IN	4376/CHE/2012	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
17	Pending	JP	2013-98988	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
18	Granted	KR	1407755	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
19	Granted	NL	2590409	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
20	Granted	SE	2590409	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
21	Granted	SG	189658	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING
22	Granted	TW	1510031	MULTI-LEVEL SIGNIFICANCE MAPS FOR ENCODING AND DECODING

Pater	nt Information (desired b	out not required fo	r options 1 and 2; required in ITU f	for option 3 (NOTE))
No.	Status	Country	Granted Patent Number	Title
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Signature (include on final page only):		
Patent Holder	BlackBerry LTD.	
Name of authorized person	Randall W. Mishler	
Title of authorized person	Senior Director, Licensing	
Signature	Randall W Mishler	
Place, Date	Irving, TX August 14, 2017	

FORM: 26 June 2015