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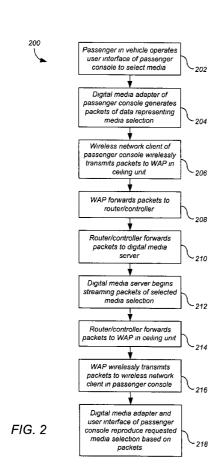
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(54) Title: WIRELESS NETWORK IN A VEHICLE



(57) Abstract: Vehicles having corresponding methods comprise a media source to provide digital data; a first wireless network station comprising a first transmitter to wirelessly transmit first packets of the digital data; a second wireless network station comprising a first receiver to wirelessly receive the first packets of the digital data; and a media player to reproduce media based on the first packets of the digital data wirelessly received by the second wireless network station.

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ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No PCT/US2007/021400

A. CLASSI INV .	FICATION OF SUBJECT MATTER H04L12/28				
	o Intθrnati ο παι Patent Classification (IPC) or to both national classif SEARCHED	fication and IPC	·		
Minimum do	ocumentation searched (classification system followed by classification	ation symbols)			
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Documentation	on searched other than minimum documentation to th $\boldsymbol{\theta}$ extent that	at such documents are included in the fields se	earched		
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	lata base consulted during the International search (name of data	base and, where practical, search terms used)		
EPO-Int	ernal , WPI Data				
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No		
v	VIO 0005 (000 425 2 (VI) TOVETTE 2VI	TONTOG	1.50		
X	WO 2005/000437 A (MATSUSHITA AV SYSTEMS CO [US]; STOPNIEWICZ AL	· · · · · · · · · · · · · · · · · · ·	1-52		
	[US]; BRADFO) 6 January 2005 (2	(005-01-06)			
	page 21, line 8 - line 31				
	page 27, line 6 - line 21				
Х	WO 2005/125207 A (PANASONIC AVI		1-52.		
	[US]; MARGIS PAUL A [US]; HAAK [US]; L) 29 December 2005 (2005				
	page 10, line 22 - page 11, lin	e 22			
Х	EP 1 653 663 A (HARMAN BECKER A		1-52		
,	SYS [DE]) 3 May 2006 (2006-05-0 paragraph [0049] - paragraph [0				
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[V] _		V]	<u> </u>		
	her documents are listed in the continuation of Box C. categories of cited documents :	See patent family annex.			
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consid ¹ E' earlier	dered to be of particular relevance document but published on or after the international	cited to understand the principle or th invention 1X" document of particular relevance; the or the original o	, , ,		
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other	means ent published prior to the international filling date but	ments, such combination being obvio in the art.	us to a person skilled		
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,	NL - 2280 HV RUSWIJK Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	de la Pena Álvarez	<u>'</u>		

INTERNATIONAL SEARCH REPORT

International application No PCT/US2007/021400

C(Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/036356 Al (RASIN VLADIMIR [US] ET AL) 16 February 2006 (2006-02-16) paragraphs [0036], [0038]	1-52
Х	US 2005/245272 Al (SPAUR CHARLES W [US] ET AL) 3 November 2005 (2005-11-03) paragraph [0033] - paragraph [0034]	1-52
X	WO 00/72463 A (JOHNSON CONTROLS INTERIORS TEC [US]; WITKOWSKI TODD R [US]; DYKEMA KUR) 30 November 2000 (2000-11-30) page 11, line 5 - page 12, line 2	1-52

International application No. PCT/US2007/021400

INTERNATIONAL SEARCH REPORT

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: ,
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additi onal sheet
1. As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. X all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were paid, specifically claims Nos.:
4. J I No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCTASA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-21

Method directed to reproducing content in a vehicle.

2. claims: 22-52

Method directed to controlling a vehicle.

INTERNATIONAL SEARCH REPORT

International application No PCT/US2007/021400

Patent document cited in search rep		Publication date		Patent family member(s)		Publication date
wo 200500043	37 A	06-01-2005	AU	2004251677	Al	06-01-2005
			CA	2527647	Al	06-01-2005
			ΕP	1634454	A2	15-03-2006
			JР	2006527540	T	30-11-2006
			US	2005044564	Al	24-02-2005
WO 20051252	07 A	29-12-2005	CA	2568595	Αl	29-12-2005
•			EΡ	1774785	A2	18-04-2007
			JP	2008508749	T	21-03-2008
			KR	20070085121	A	27-08-2007
			US	2006107295	Al	18-05-2006
EP 1653663	A	03-05-2006	US	2006172780	Al	03-08-2006
US 20060363	56 Al	16-02-2006	NON	E .		
US 20052452	72 Al	03-11-2005	CA	2564370	Al	17-11-2005
			ΕP	1774755	A2	18-04-2007
			JP	2008500610	T	10-01-2008
			US	2005266879	Al	01-12-2005
			WO	2005109834	A2	17-11-2005
WO 0072463	 А	30-11-2000	EP	1194903	A2	10-04-2002
			US	2002197955	Al	26-12-2002
			US	2003228879	Αl	11-12-2003
			US	2008045274	Al	21-02-2008
			us	7257426	в1	14-08-2007