



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
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Published:

— with international search report (Art. 21(3))

(88) Date of publication of the international search report:

15 April 2010

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2009/053643

A. CLASSIFICATION OF SUBJECT MATTER

INV. H04L29/06 H04L12/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal , INSPEC, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 2006/041688 A1 (WRIGHT STEVEN A [US] ET AL) 23 February 2006 (2006-02-23) the whole document	1-23
X	US 2007/047545 A1 (BOU-DIAB BASHAR S [CA] ET AL) 1 March 2007 (2007-03-01) the whole document	1,12,23
A	WO 2007/141450 A (FRANCE TELECOM [FR]; CRASSOUS MAGALI [FR]; SAID MIKHAEL [FR]) 13 December 2007 (2007-12-13) the whole document	1-23

☐ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents

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Date of the actual completion of the international search

28 January 2010

Date of mailing of the international search report

04/02/2010

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2009/053643

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2006041688	A1	23-02-2006	NONE		
<hr/>					
US 2007047545	A1	01-03-2007	CN	1925412 A	07-03-2007
			EP	1932281 A2	18-06-2008
			WO	2007031880 A2	22-03-2007
<hr/>					
WO 2007141450	A	13-12-2007	CN	101467419 A	24-06-2009
			EP	2025181 A1	18-02-2009
			FR	2902268 A1	14-12-2007
			JP	2009540643 T	19-11-2009
			KR	20090018673 A	20-02-2009
			US	2009119699 A1	07-05-2009
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