



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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A. CLASSIFICATION OF SUBJECT MATTER**E21B 47/26(2012.01)i, E21B 47/12(2006.01)i**

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)

E21B 47/26; G01V 3/18; H04N 7/12; G01V 3/38; G01V 1/22; G01U 3/00; G01V 1/00

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & keywords: data source, data rate sampler, compression engine, and transmission rate

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 7554329 B2 (GOREK, MATTHIAS et al.) 30 June 2009 See abstract, column 6, lines 19-49, column 9, lines 27-59, claims 1-3, and figure 2.	1-20
Y	US 6061299 A (GROUFFAL, CHRISTIAN et al.) 09 May 2000 See abstract, claim 22, and figure 2.	1-20
Y	US 6154493 A (ACHARYA, TINKU et al.) 28 November 2000 See abstract, claim 21, and figure 2.	7-9, 18, 19
A	US 7167101 B2 (GOLLA, CHRISTOPHER A. et al.) 23 January 2007 See abstract, claim 15, and figure 1.	1-20
A	US 7042367 B2 (GARDNER, WALLACE R. et al.) 09 May 2006 See abstract, claim 1, and figure 4.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

18 FEBRUARY 2013 (18.02.2013)

Date of mailing of the international search report

19 FEBRUARY 2013 (19.02.2013)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/042235

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