

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2017/009766

**A. CLASSIFICATION OF SUBJECT MATTER**

G06F3/0482(2013.01)i, G06F17/30(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)

G06F3/0482, G06F17/30

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

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2017
Kokai Jitsuyo Shinan Koho	1971-2017	Toroku Jitsuyo Shinan Koho	1994-2017

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 2007-172138 A (Sony Corp.), 05 July 2007 (05.07.2007), paragraphs [0013] to [0014], [0033] to [0036], [0045] to [0059]; fig. 2, 10, 14 to 16 & US 2007/0143268 A1 paragraphs [0035] to [0036], [0051] to [0053], [0063] to [0077]; fig. 2, 10, 14 to 16 & CN 1987867 A & KR 10-2007-0065798 A	1, 2, 5-9, 12-14 3, 4, 10, 11
A	JP 2006-268100 A (Nippon Telegraph and Telephone Corp.), 05 October 2006 (05.10.2006), entire text; all drawings (Family: none)	1-14

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

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"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

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"&" document member of the same patent family

Date of the actual completion of the international search  
06 April 2017 (06.04.17)

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18 April 2017 (18.04.17)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2008-59383 A (Toshiba Corp.), 13 March 2008 (13.03.2008), entire text; all drawings & US 2008/0071832 A1	1-14
A	JP 2007-102981 A (Olympus Imaging Corp.), 19 April 2007 (19.04.2007), entire text; all drawings (Family: none)	1-14
A	JP 2006-243854 A (Fujitsu Ten Ltd.), 14 September 2006 (14.09.2006), entire text; all drawings (Family: none)	1-14