

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2018/062978

A. CLASSIFICATION OF SUBJECT MATTER
 INV. H01L33/00 H01L33/14 H01L33/20 H01L33/38 H01L33/24
 ADD. H01L33/32 H01L33/16

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)
 H01L

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 practicable, search terms used)
 EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 2 398 075 A1 (PANASONIC CORP [JP]) 21 December 2011 (2011-12-21) paragraphs [0077] - [0166]; figures 5-20 -----	1-17
A	DE 10 2012 022929 A1 (ULTRATECH INC [US]) 13 June 2013 (2013-06-13) paragraphs [0044] - [0066]; figures 1-9B -----	1-17
A	US 4 912 533 A (TAKAHASHI SHOGO [JP]) 27 March 1990 (1990-03-27) column 1, line 62 - column 2, line 48; figure 1 -----	1-17
A	US 2013/221394 A1 (HUANG YI-RU [TW] ET AL) 29 August 2013 (2013-08-29) paragraphs [0027] - [0038]; figures 1-12 ----- -/--	1-17

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

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"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

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"&" document member of the same patent family

Date of the actual completion of the international search 11 July 2018	Date of mailing of the international search report 17/07/2018
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Albrecht, Claus
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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Information on patent family members

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