



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 77 22 37

Classification of the application (IPC):
H01J 49/16, H01J 49/04, G01N 27/62

Technical fields searched (IPC):
H01J, G01N

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	JP H10149795 A (HITACHI LTD) 02 June 1998 (1998-06-02) * abstract * * figures 10, 11 * * paragraphs [0001], [0013], [0022] - [0023] *	1-7
X	JP H0229151 U (JEOL LTD.) 26 February 1990 (1990-02-26) * abstract * * figures 1, 2 *	1, 2, 7
T	US 2015270113 A1 (YORISAKI TOMA [JP] ET AL) 24 September 2015 (2015-09-24) * abstract * * figures 1-3 * * paragraphs [0002], [0005], [0015] - [0017], [0021] - [0022], [0026] - [0027] *	2, 3

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 06 November 2020	Examiner Dietsche, Rainer
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CATEGORY OF CITED DOCUMENTS

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|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
| A: technological background | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure | D: document cited in the application |
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 06-11-2020
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
JP H10149795	A	02-06-1998	NONE		
JP H0229151	U	26-02-1990	NONE		
US 2015270113	A1	24-09-2015	DE	102015203848 A1	24-09-2015
			JP	6316041 B2	25-04-2018
			JP	2015179572 A	08-10-2015
			US	2015270113 A1	24-09-2015