



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 91 61 37

Classification of the application (IPC):  
**H01H 33/59**

Technical fields searched (IPC):  
H01H, H01C

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y A	WO 2019012609 A1 (MITSUBISHI ELECTRIC CORP [JP]) 17 January 2019 (2019-01-17) * abstract * * paragraph [0013] - paragraph [0045] * * figures 1-4 *	1-3, 6, 7 4, 5
Y A	<b>NISHIWAKI ET AL:</b> "Realization of Heavy-duty Zinc-oxide Type Lightning Arrestors by Parallel Connection" <i>IEEJ TRANSACTIONS ON POWER AND ENERGY, IEEJ, JP</i> , 20 May 1982 (1982-05-20), vol. 102, no. 5, ISSN: 0385-4213, pages 320-326, XP009530155 * page 320 - page 326 *	1-3, 6, 7 4, 5
Y A	JP S56158642 U (TOKYO SHIBAURA ELECTRIC CO., LTD.) 26 November 1981 (1981-11-26) * page 6, line 9 - page 6, line 19 * * page 10, line 20 - page 11, line 1 *	2, 3, 6, 7 4, 5
Y A	<b>YAMAZAKI TUTOMU ET AL:</b> "Surge Arresters Monitoring Systems in AC-DC Converter Stations" <i>IEEJ TRANSACTIONS ON POWER AND ENERGY, IEEJ, JP</i> , 20 May 1993 (1993-05-20), vol. 113, no. 4, ISSN: 0385-4213, pages 376-382, XP009530154 * page 376 - page 382 *	6, 7 4, 5

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 13 February 2023	Examiner Pugliese, Sandro
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### CATEGORY OF CITED DOCUMENTS

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
& : member of the same patent family, corresponding document	L: document cited for other reasons

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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 13-02-2023  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO2019012609	A1	17-01-2019	EP 3654359 A1	20-05-2020
			EP 4160640 A1	05-04-2023
			EP 4160641 A1	05-04-2023
			JP 6328356 B1	23-05-2018
			JP WO2019012609 A1	11-07-2019
			US 2021134544 A1	06-05-2021
			WO 2019012609 A1	17-01-2019
JP S56158642	U	26-11-1981	NONE	