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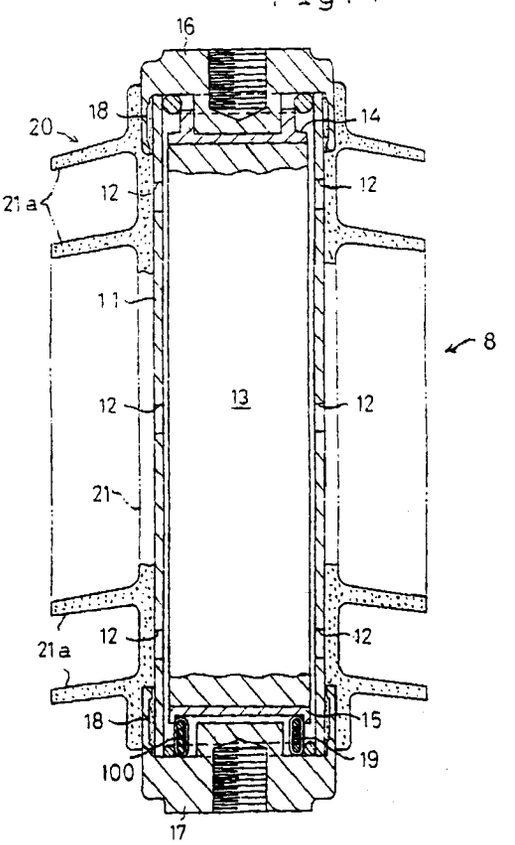
(54) Arrestor unit.

(57) An arrestor unit is disclosed for protecting a power transmission (5) line against lightening surges. The arrestor unit includes a discharge electrode (9) that is electrically separated from the power transmission line (5) by a series air gap (G). A plurality of non-linear resistors (13) are provided between the discharge electrode (9) and an electrical ground. A container (20) is provided to house the non-linear resistors (13). The container (20) is arranged to discharge residual electric charges that accumulate in the non-linear resistors (13). The discharge constant of the container (20) and non-linear resistors (13) is set to a value less than the time interval between voltage surges of a normal multiple surge lightning current.

Fig. 1



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EUROPEAN SEARCH REPORT

Application Number EP 92302553.0

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	US - A - 4 743 997 (R.B. CARPENTER) * Totality * --	1	H 02 H 9/04 H 02 H 9/06 H 02 H 1/04
A	US - A - 4 507 701 (YUKIO FUJIWARA) * Totality * --	1	
A	US - A - 4 463 405 (R.E. KOCH) * Abstract; column 4, lines 5-26; claims; fig. 1 * --	1,2	
A	US - A - 4 308 566 (MITSUMASA IMATAKI) * Totality * --	1	
A	US - A - 4 270 160 (NOBUO NAGAI) * Totality * --	1	
A	US - A - 3 967 160 (J.S. KRESGE) * Totality * --	1	TECHNICAL FIELDS SEARCHED (Int. Cl.5) H 02 H 1/00 H 02 H 3/00
A	US - A - 3 859 569 (J.S. KRESGE) * Totality * --	1	H 02 H 9/00
A	GB - A - 2 230 661 (BOWTHORPE) * Abstract; claims; fig. 1-3 * ----	1,2	

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
VIENNA	03-12-1992	ERBER

CATEGORY OF CITED DOCUMENTS

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