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(54) **A transformer for the measurement of current in high-voltage supply networks**

(57) The invention concerns a transformer for the measurement of current in high-voltage networks wherein the shell (7), which compacts in the form of a ring the magnetic cores (6) of the secondary winding, is fixed in its lower part to a central metal tube (20) at the base of the transformer and in its upper part to an insulating tube (22) which centers and keeps taut said elements (22, 7, 20) resulting in advantages both with respect to the construction and for transportation. There are also provided electrodes (28,29) facing one another in order to form a preferential discharge zone in the vicinity of the safety membrane (14) as well as an intermediate shield (36) surrounding the central tube (20) and possibly, in the case of high voltages, a capacitance grading bushing (45) wound around the intermediate shield (36) for a better distribution of the electrical field.

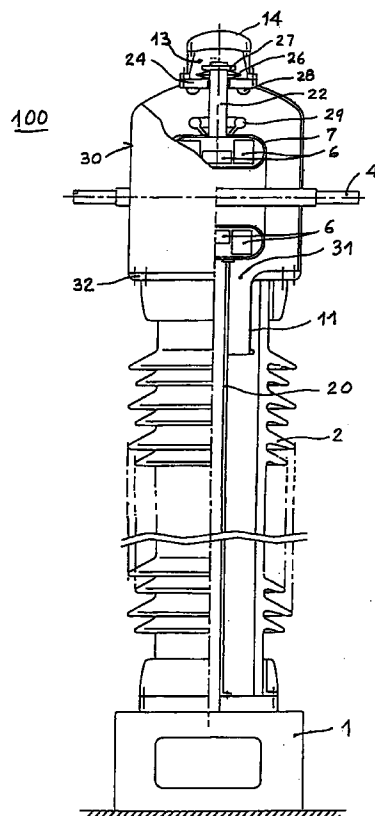


Fig. 3

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EUROPEAN SEARCH REPORT

Application Number
EP 96 10 8463

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.6)
A	EP 0 236 974 A (MESSWANDLER BAU AG) 16 September 1987 * page 6, line 15 - page 8, line 28 * ---	1	H01F38/30
A	DE 14 88 299 A (SIEMENS) 10 April 1969 ---		
A	US 4 775 849 A (LUCAS HOWARD R) 4 October 1988 ---		
A	DE 32 30 091 A (BBC BROWN BOVERI & CIE) 19 January 1984 -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6) H01F
Place of search THE HAGUE		Date of completion of the search 17 January 1997	Examiner Vanhulle, R
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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