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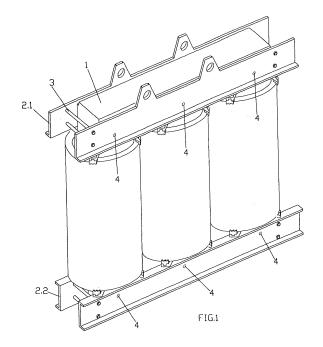
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(54) Clamping, compacting and lifting system for electric transformers and reactors

(57) The invention relates to a clamping, compacting and lifting system for electric transformers and reactors, of the type wherein the magnetic core (1) is equipped with lamination stack clamps (2) maintained in position through tie rods (3). Said system is characterised in that the transformer is lifted by means of constraints between the lamination stack clamps (2.1, 2.2) and the magnetic core (1), such constraints being comprised of pins (4) protruding from the internal part of the lamination stack clamp sections which are inserted into corresponding housings (5) drilled in the magnetic core.





EUROPEAN SEARCH REPORT

Application Number EP 06 02 5010

	Citation of document with indicati	on where appropriate	Relevant	CLASSIFICATION OF THE	
Category	of relevant passages	on, where appropriate,	to claim	APPLICATION (IPC)	
X	DE 40 36 482 A1 (WAASN FABR [DE]) 21 May 1992 * abstract *		1,3,5	INV. H01F27/26	
	* column 3, lines 10-4	8; figures 1-4 * 		ADD. H01F27/245	
X	US 3 419 836 A (ALDRID 31 December 1968 (1968 * column 2, line 31 - * figures 1,2,3,4 *	-12-31)	1,5,14	H01F27/30 H01F30/12	
A	US 3 760 316 A (CZEWSK 18 September 1973 (197 * abstract; figure 1 *		1		
4	GB 1 046 867 A (OERLIK 26 October 1966 (1966- * page 2, lines 23-57;	10-26)	1		
4	DE 320 653 C (AEG) 29 April 1920 (1920-04 * page 1, lines 26-45;	-29) figure 1 *	1	TECHNICAL FIELDS SEARCHED (IPC)	
				H01F	
	The propert search report has been	drawn up for all alaims			
	The present search report has been of Place of search	Date of completion of the search		Examiner	
	Munich	24 January 2011	Kardinal, Ingrid		
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category		T : theory or principle E : earlier patent door after the filing date D : document cited in L : document cited fo	ument, but publi the application r other reasons	shed on, or	
A : technological background O : non-written disclosure P : intermediate document			& : member of the same patent family, corresponding document		

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 06 02 5010

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

24-01-2011

Patent document cited in search repo	ort	Publication date		Patent family member(s)	Publication date
DE 4036482	A1	21-05-1992	NONE		•
US 3419836	Α	31-12-1968	NONE		
US 3760316	Α	18-09-1973	NONE		
GB 1046867	Α	26-10-1966	ES	290044 A2	01-04-196
DE 320653	С	29-04-1920	NONE		

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82