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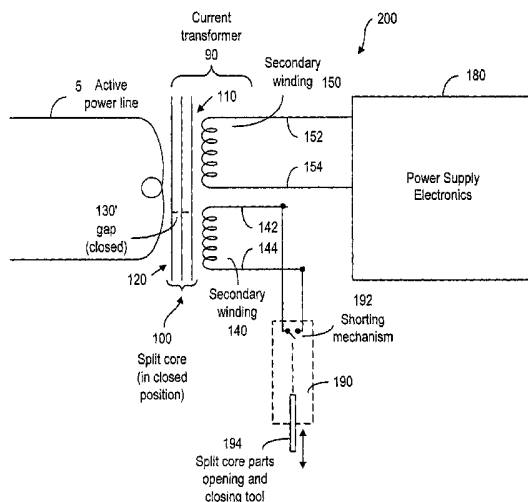
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND DEVICE FOR INSTALLING AND REMOVING A CURRENT TRANSFORMER



(57) Abstract: A current transformer (90) to be installed around a current-carrying conductor (5). The transformer has a split core with two parts (110, 120) which can be opened to allow the transformer to be installed around or removed from the current-carrying conductor. A winding (140) wound on the core is operatively connected to a switch (192) so that the winding can be shorted prior to opening the split core when the transformer is removed from the current-carrying conductor in order to reduce the magnetic force holding the split core parts together. The winding is shorted by the switch prior to closing the split core parts when the transformer is installed around the conductor in order to minimize the damage to the core due to the induced magnetic force thereon. A mechanical tool (194) is used to open or close the split-core parts. The switch can be linked to the tool for shorting and opening the winding.

## INTERNATIONAL SEARCH REPORT

national application No.

PCT/IB03/01798

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01F 27/28, 27/30, 27/02

US CL : 336/229, 178, 180, 212, 88; 324/127, 548

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 336/229, 178, 180, 212, 88; 324/127, 548

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST: US, DERWENT, JPO, EPO

Search terms: conductor, current transformer, core, gap, switch

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,559,496 A (HARN DEN, JR. et al.) 17 December 1985.	1-17
A	US 5,793,196 A (WHITE) 11 August 1998.	1-17
A	US 4,263,549 A (TOPPETO) 21 April 1981.	1-17
A	US 4,390,813 A (STANLEY) 28 June 1983.	1-17
A	US 4,707,619 A (CHU et al.) 17 November 1987.	1-17
A, P	US 6,426,632 B1 (CLUNN) 30 July 2002.	1-17
A	US 4,378,525 A (BURDICK) 29 March 1983.	1-17
A	US 4,309,655 A (LIENHARD et al.) 05 January 1982.	1-17



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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