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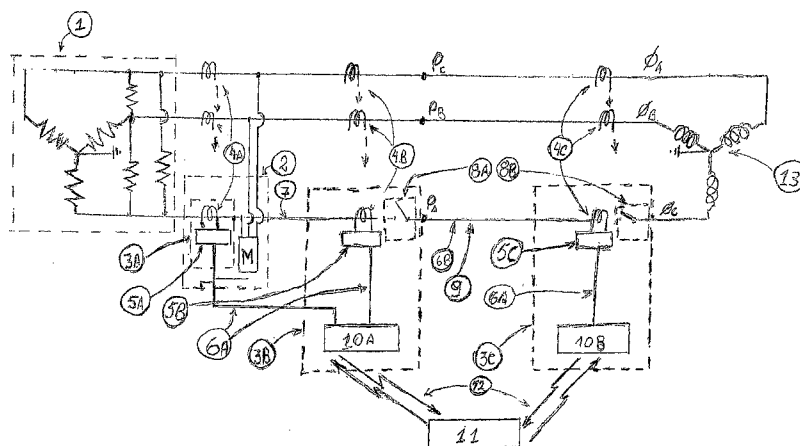
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(54) Title: SYSTEM FOR DETECTING AND PREVENTING POWER THEFT



(57) Abstract: A system for detecting and preventing power theft on a branch distributor conduit (9) between a transformer/distribution circuit (13) and an electricity meter (M) at a registered customer (1) of a power distribution company is provided. The system comprises first sensors (4A) and a first converter unit (5A) located within a sealed box (2) of an electricity meter (M) at the customer (1) for determining a first current value representing the current in the power feeding cables (7) and second sensors (4B) and a second converter (5B) located within a connection box (3B) measuring a second current value representing the current in the branch distributor conduit (9). The connection box (3B) comprises further a first electronic unit (10A) which determines the difference between the said first current value and the said second current value. If the difference is above a threshold value power theft is determined and a signal is transmitted from the first electronic unit (10A) to a server (11) located in the power distribution company for registering power theft, determining the location of the registered customer (1) and/or branch distributor conduit (9) and for switching off the branch on which power theft is determined by means of a switch (8A).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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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)

IPC⁸: G01R

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)

WPI, EPODOC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	CN 1442697 A (LIU, W.) 17 September 2003 (17.09.2003) <i>abstract, figs. 1, 3-5; page 2, line 1 - page 6, line 5.</i> --	1
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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

International application No.

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