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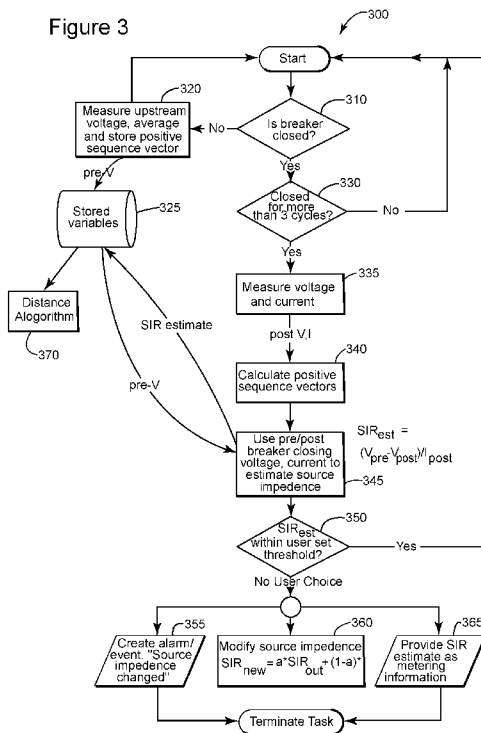
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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR ESTIMATION OF SOURCE IMPEDANCE ON ELECTRICAL DISTRIBUTION LINES



(57) Abstract: A device and method for dynamically determining an impedance of a network is disclosed. The device includes at least a processing system for measuring a network voltage and network current when said network is determined to be in a first state, measuring a network voltage when said network is determined to be in a second state, estimating said impedance value dependent upon said measured voltages and current, adapting said estimated impedance based on at least one prior impedance value and storing at least said adapted impedance.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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 ADD.

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)
 H02H G01R H02J

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 practical, search terms used)
 EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 665 625 A2 (LICENTIA GMBH [DE] AEG ENERGIETECHNIK GMBH [DE]) 2 August 1995 (1995-08-02) page 1, line 20 - line 32 page 5, line 53 - page 6, line 54 -----	1,9,17

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
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- "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
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- "&" document member of the same patent family

Date of the actual completion of the international search 31 May 2010	Date of mailing of the international search report 09/06/2010
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer: Salm, Robert

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
EP 0665625	A2	02-08-1995	AT 170677 T	15-09-1998
			DE 4401888 A1	03-08-1995
