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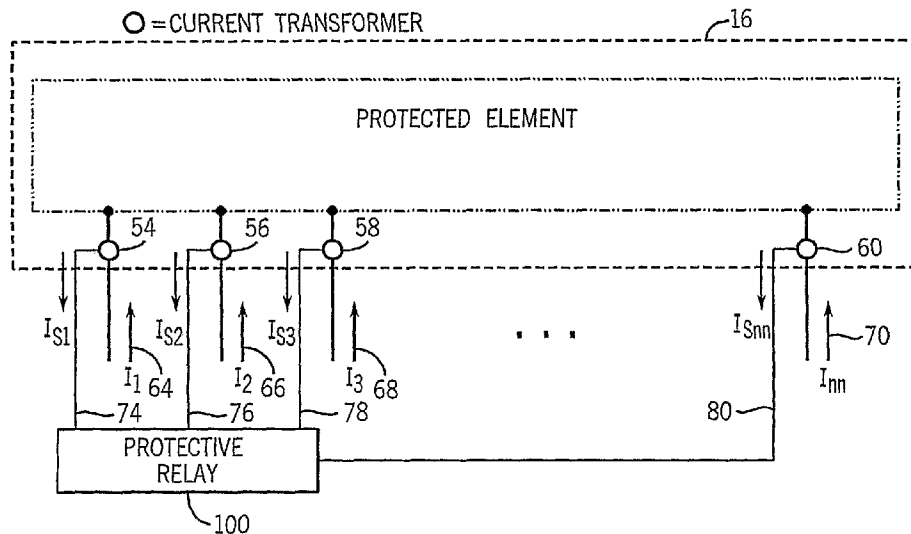
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(54) Title: AN APPARATUS AND METHOD FOR IDENTIFYING A LOSS OF A CURRENT TRANSFORMER SIGNAL IN A POWER SYSTEM



(57) Abstract: Provided is an apparatus an method for identifying a specific lost current transformer (CT) signal of number of CT signals provided by a corresponding number of CTs (54, 56, 58) coupling to a protective device (100) to at least one protection zone (16). The method includes selectively providing pairs of first and second binary control signals corresponding to each of the CT signals in response to comparasions of RMS current changes of respective CT signals. A third binary control signal associated with a protection zone is provided in response to receipt of the pairs of first and second binary control signals. A first value for only one of the first binary control signals, a second value for all of the second binary control signals and the first value for the third binary control signal for a predetermined time indicates the loss of the CT signal corresponding to the first binary control signal having the first value.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: H02H 3/00(2006.01),7/00(2006.01)

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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)

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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 SEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 6,442,010 B1 (KASZTENNEY et al) 27 August 2002 (27.8.2002), column 4, lines 52-62, column 5, lines 1-30, column 10, lines 20-57), figures 1, 2, 7. | 1-5, 19-24 |

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