

Title (en)

A METHOD OF EARTH FAULT IDENTIFICATION AND LOCATION IN THREE-PHASE ELECTRICAL NETWORK

Title (de)

VERFAHREN ZUR ERDFEHLERIDENTIFIKATION UND -LOKALISIERUNG IN EINEM ELEKTRISCHEN DREIPHASENNETZWERK

Title (fr)

PROCEDE D'IDENTIFICATION ET DE LOCALISATION DES DEFAUTS A LA TERRE DANS UN RESEAU ELECTRIQUE TRIPHASE

Publication

**EP 1904862 A1 20080402 (EN)**

Application

**EP 06769357 A 20060718**

Priority

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- LT 2005067 A 20050720

Abstract (en)

[origin: WO2007011196A1] The invention relates to the area of electrical power network and may be applied to a method of permanent or short-term earth fault identification in a three-phase electrical distribution network and distance determination to the fault place. Better accuracy for the earth fault place location is achieved by performing registrations not longer than 100  $\mu$ s and with time intervals smaller than 100 ns, thus decreasing the influence of noises of lower than 10 kHz frequency. The distance between the beginning of the feeder's section and earth fault place is defined by minimising the goal function  $f <_{\text{SUB}}^2 / >_{\text{SUB}}$ ,

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2007011196A1

Cited by

CN105759179A; CN102279346A; CN102590700A

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