

Title (en)

PROCESS FOR PRODUCING FAULT CLASSIFICATION SIGNALS

Title (de)

VERFAHREN ZUM ERZEUGEN VON FEHLERKLASSIFIZIERUNGSSIGNALEN

Title (fr)

PROCEDE POUR GENERER DES SIGNAUX DE CLASSIFICATION D'ERREURS

Publication

**EP 0890111 A1 19990113 (DE)**

Application

**EP 97921599 A 19970325**

Priority

- DE 9700682 W 19970325
- DE 19613012 A 19960325

Abstract (en)

[origin: DE19613012C1] Power-line current and voltage transformers (2,3) deliver outputs to a digitiser (1) connected by a data bus (4) to an impedance-forming computer (5). The parameters of the impedance characteristic are adjusted (6) for the generation of normalised resistances (RL1-RL3) and reactances (XL1-XL3) which are supplied to the neural net (9). The training employs these impedance values for simulation of faulty loops. The neural net produces fault classification signals (F1,F2) on an output data bus (16) connected e.g. to distance protection equipment.

IPC 1-7

**G01R 31/02**; H02H 1/00

IPC 8 full level

**H02H 1/00** (2006.01)

CPC (source: EP US)

**H02H 1/0092** (2013.01 - EP US)

Citation (search report)

See references of WO 9736185A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 19613012 C1 19970814**; EP 0890111 A1 19990113; US 6405184 B1 20020611; WO 9736185 A1 19971002

DOCDB simple family (application)

**DE 19613012 A 19960325**; DE 9700682 W 19970325; EP 97921599 A 19970325; US 15537599 A 19990301