Title (en)

IMPROVEMENTS RELATING TO SIGNALLING IN ELECTRICITY DISTRIBUTION SYSTEMS

Title (de)

VERBESSERUNGEN BEZÜGLICH DER SIGNALÜBERTRAGUNG IN ELEKTRIZITÄTSVERTEILUNGSSYSTEMEN

Title (fr)

PERFECTIONNEMENTS PORTANT SUR LA SIGNALISATION DANS DES SYSTEMES DE DISTRIBUTION D'ELECTRICITE

Publication

EP 0944945 A4 20000816 (EN)

Application

EP 97913551 A 19971114

Priority

- NZ 9700156 W 19971114
- NZ 29975696 A 19961114

Abstract (en)

[origin: WO9821803A2] An electricity supply system in which a control organisation creates variations of the fundamental frequency of the supply in order to signal shedding or adding of loads, or to cause some other process or transmission of data. The loads are generally located at consumer premises and are able to be actuated in this fashion by prior agreement with the control organisation. Each consumer installs a frequency change decoder device to detect and interpret the signals above noise which is always present on the supply system. Each device may be installed as part of general purpose electricity metering equipment or as a separate item. The devices may also be used to detect uncontrolled frequency decays caused by a failure in the supply system and to shed loads appropriately.

IPC 1-7

H02J 4/00; H02J 13/00

IPC 8 full level

H02J 3/14 (2006.01); **H02J 3/24** (2006.01); **H02J 13/00** (2006.01); **H04B 3/54** (2006.01)

CPC (source: EP)

H04B 3/54 (2013.01); H04B 2203/5437 (2013.01)

Citation (search report)

- [XY] US 4370563 A 19830125 - VANDLING JOHN M [US], et al
- [X] US 4246492 A 19810120 - VANDLING JOHN M
- [X] US 4658238 A 19870414 - MAK SIOE T [US]
- [Y] US 4385241 A 19830524 - PEDDIE ROBERT A [GB], et al
- See references of WO 9821803A2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9821803 A2 19980522; **WO 9821803 A3 19980806**; AU 5071598 A 19980603; EP 0944945 A2 19990929; EP 0944945 A4 20000816; JP 2001503954 A 20010321

DOCDB simple family (application)

NZ 9700156 W 19971114; AU 5071598 A 19971114; EP 97913551 A 19971114; JP 52243198 A 19971114