

Title (en)

MULTIPLE COMMUNICATIONS PROTOCOLS IN A PROTECTIVE RELAY

Title (de)

MEHRERE KOMMUNIKATIONS PROTOKOLLE IN EINEM SCHUTZRELAIS

Title (fr)

PROTOCOLE MULTIPLE DE COMMUNICATION DANS UN RELAIS DE PROTECTION

Publication

**EP 1072076 A1 20010131 (EN)**

Application

**EP 00917624 A 20000211**

Priority

- US 0003417 W 20000211
- US 11981999 P 19990212
- US 43713799 A 19991110

Abstract (en)

[origin: WO0048282A1] A protective relay and power system protection method which incorporates multiple user-selectable communications protocols over multiple communications ports. The relay can support multiple communications protocols over a single communications port, and can support simultaneous formatting and communication over multiple communications ports using different protocols. By supporting a full array of communication protocols in each relay, protective control functionality is enhanced.

IPC 1-7

**H02H 1/00**

IPC 8 full level

**H02H 1/00** (2006.01); **H02H 3/02** (2006.01); **H02H 3/00** (2006.01); **H02H 7/26** (2006.01)

CPC (source: EP)

**H02H 1/0061** (2013.01); **H02H 3/006** (2013.01); **H02H 7/261** (2013.01)

Citation (search report)

See references of WO 0048282A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 0048282 A1 20000817**; AU 3857400 A 20000829; AU 773185 B2 20040520; BR 0004792 A 20001219; CA 2326396 A1 20000817; CN 1302464 A 20010704; CN 1311602 C 20070418; EP 1072076 A1 20010131; JP 2002537746 A 20021105; KR 100716357 B1 20070511; KR 20010042524 A 20010525; MX PA00009928 A 20030714; PL 343760 A1 20010910

DOCDB simple family (application)

**US 0003417 W 20000211**; AU 3857400 A 20000211; BR 0004792 A 20000211; CA 2326396 A 20000211; CN 00800562 A 20000211; EP 00917624 A 20000211; JP 2000599109 A 20000211; KR 20007011163 A 20001007; MX PA00009928 A 20000211; PL 34376000 A 20000211