

Title (en)
DECOUPLING NETWORK AND COMMUNICATION SYSTEM.

Title (de)
ENTKUPPLUNGSNETZ UND ÜBERTRAGUNGSSYSTEM.

Title (fr)
RESEAU DE DECOUPLAGE ET SYSTEME DE TRANSMISSION.

Publication
EP 0335948 A4 19900220 (EN)

Application
EP 88909190 A 19881017

Priority
AU PI490687 A 19871015

Abstract (en)
[origin: WO8903623A1] A decoupling network for blocking high frequency communication signals on power lines. The network includes a filter having a first series element (10) for connection to a power line, a second series element (11) for connection to the same or another power line, and a shunt element (12) connected between the series elements and across two power lines. The shunt element acts as a short circuit to high frequency signals, thereby blocking passages of communication signals through the network. In one embodiment, a signal processing circuit (13) is inductively coupled to the series elements for processing communication signals from the supply authority and from consumers. The network prevents the communication signals from passing directly from the supply authority to the consumers, or vice versa.

IPC 1-7
H02J 13/00; **H04B 3/56**

IPC 8 full level
H02J 13/00 (2006.01); **H04B 3/56** (2006.01)

CPC (source: EP KR)
H04B 3/56 (2013.01 - EP KR); **H04B 2203/5416** (2013.01 - EP); **H04B 2203/5433** (2013.01 - EP); **H04B 2203/545** (2013.01 - EP); **H04B 2203/5487** (2013.01 - EP); **H04B 2203/5491** (2013.01 - EP); **H04B 2203/5495** (2013.01 - EP)

Citation (search report)

- [A] US 3895370 A 19750715 - VALENTINI NICOLA
- [A] EP 0124260 A2 19841107 - GEN ELECTRIC CO PLC [GB]
- [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 332 (E-453)[2388], 12th November 1986; & JP-A-61 136 327 (NEC CORP.) 24-06-1986
- See references of WO 8903623A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8903623 A1 19890420; AU 2551988 A 19890502; AU 606478 B2 19910207; EP 0335948 A1 19891011; EP 0335948 A4 19900220; JP H02501700 A 19900607; KR 890702349 A 19891223

DOCDB simple family (application)
AU 8800408 W 19881017; AU 2551988 A 19881017; EP 88909190 A 19881017; JP 50838488 A 19881017; KR 890701086 A 19890615