

Title (en)

COUPLING STAGE FOR A DATA TRANSMISSION SYSTEM FOR LOW VOLTAGE NETWORKS

Title (de)

EINKOPPELSTUFE FÜR EIN DATENÜBERTRAGUNGSSYSTEM FÜR NIEDERSpannungsNETZE

Title (fr)

DISPOSITIF DE COUPLAGE POUR SYSTEME DE TRANSMISSION DE DONNEES POUR RESEAUX BASSE TENSION

Publication

EP 1206846 A1 20020522 (DE)

Application

EP 00956459 A 20000817

Priority

- DE 19940544 A 19990826
- EP 0008019 W 20000817

Abstract (en)

[origin: WO0115334A1] The invention relates to a device for coupling a high-frequency transmission signal (uHF) into a low voltage network (L1, N). An output amplifier (202) is provided. A differential mode voltage (uDiff) which is produced at a summing point (209) and represents an input voltage is supplied to the output amplifier between the transmission signal (uHF) and the feedback signal (urück). A network (206) is switched downstream in relation to the output amplifier (202) for adapting to the network impedance (ZL). Means (208) for detecting a voltage (umess) that is proportional to the network output current (iM) are arranged at the output of the network (206). The detected voltage (umess) is supplied to a controller module (207). The output signal of said controller module (207) is the feedback signal (urück).

IPC 1-7

H04B 3/54

IPC 8 full level

H04B 3/54 (2006.01); **H04B 3/56** (2006.01)

CPC (source: EP)

H04B 3/54 (2013.01); **H04B 3/56** (2013.01); **H04B 2203/5425** (2013.01); **H04B 2203/5483** (2013.01); **H04B 2203/5491** (2013.01); **H04B 2203/5495** (2013.01)

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 0115334 A1 20010301; BR 0013620 A 20020514; CN 1371555 A 20020925; CZ 2002597 A3 20020717; DE 19940544 A1 20010301; EP 1206846 A1 20020522; HU P0201602 A2 20020928; HU P0201602 A3 20030228; IL 146376 A0 20020725; NO 20020402 D0 20020125; NO 20020402 L 20020125; NZ 515475 A 20021025; PL 353183 A1 20031103; SK 2542002 A3 20030401; TR 200200479 T2 20020722; ZA 200108987 B 20020710

DOCDB simple family (application)

EP 0008019 W 20000817; BR 0013620 A 20000817; CN 00812080 A 20000817; CZ 2002597 A 20000817; DE 19940544 A 19990826; EP 00956459 A 20000817; HU P0201602 A 20000817; IL 14637600 A 20000817; NO 20020402 A 20020125; NZ 51547500 A 20000817; PL 35318300 A 20000817; SK 2542002 A 20000817; TR 200200479 T 20000817; ZA 200108987 A 20011031