Title (en)

HIGH-FREQUENCY DATA TRANSMISSION

Title (de)

HOCHFREQUENTE DATENÜBERTRAGUNG

Title (fr)

TRANSMISSION DE DONNEES HAUTE FREQUENCE

Publication

EP 1454423 A1 20040908 (DE)

Application

EP 01275046 A 20011211

Priority

CH 0100707 W 20011211

Abstract (en)

[origin: WO03055095A1] In an inventive system for transmitting a high-frequency data signal over a power supply network (1), which has an area (3) of increased attenuation for HF signals, the HF signal is extracted out of the network before reaching the area of increased attenuation by means of a communications device (10) and is led to the input of a bypass device (11). Inside the bypass device, the signal is distributed to a number of outputs according to power, whereby each output is individually coupled to one respective branch of the network (4.1, 4.2, 4.3, 4.4) via a coupling device (12.1, 12.2, 12.3, 12.4). The area of increased attenuation is, for example, a private connection (3) having an omnibus bar (4) where the individual customer lines (4.1, 4.2, 4.3, 4.4) are connected, whereby each customer line passes via a fuse (6.1, 6.2, 6.3, 6.4) and a current meter (7.1, 7.2, 7.3, 7.4). In a reversed direction of transmission, the high-frequency data signal is extracted before reaching the fuses, is led to the outputs of the bypass device, is routed individually or as a sum signal to the input thereof, and is injected once again into the network by the communications device (10) after the private connection.

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H04B 3/56

IPC 8 full level

H04B 3/56 (2006.01)

CPC (source: EP)

H04B 3/56 (2013.01); H04B 2203/5425 (2013.01); H04B 2203/5445 (2013.01); H04B 2203/5483 (2013.01); H04B 2203/5491 (2013.01)

Citation (search report)

See references of WO 03055095A1

Citation (examination)

WO 0108321 A1 20010201 - SIEMENS AG [DE], et al

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