Title (en)

ELECTRICAL TERMINAL BLOCK AND USE OF SAID TERMINAL BLOCK

Title (de)

ELEKTROTECHNISCHER ANSCHLUSSKLEMMENSTEIN UND VERWENDUNG EINES SOLCHEN ANSCHLUSSKLEMMENSTEINS

Title (fr)

DOMINO DE CONNEXION ÉLECTROTECHNIQUE ET SON UTILISATION

Publication

EP 2436018 A1 20120404 (DE)

Application

EP 09776652 A 20090526

Priority

EP 2009003737 W 20090526

Abstract (en)

[origin: WO2010136051A1] The invention relates to a terminal block (1) and to the use of said terminal block (1), which allows a self-sufficient, i.e. permanent and maintenance-free power supply for an electrical consumer in the surroundings of power supply lines with little effort and at low costs. Said terminal block (1) has one or more terminal elements (3; 4) a ring (7) produced of a soft-magnetic material having good magnetic conductivity being assigned to at least one of said terminal elements (e.g. 3). Said ring (7) comprises a secondary coil (8) arranged thereon and having connecting lines (9) for connection to an electrical consumer. The ring (9) is assigned to the terminal element (e.g. 3) in such a manner that when a power supply line is connected to the terminal element (3) and is active, a dynamic electromagnetic fields existing in the surroundings of a line path formed by the connected power supply line has an inductive effect on the secondary coil (8) of the ring in such a manner that an electrical supply power which can be used by an electrical consumer connected to the connecting lines (9) of the secondary coil (9) can be tapped on said connecting lines (9). The terminal block (1) is advantageously used in a terminal box or distributor associated with power supply lines.

IPC 8 full level

H01F 38/30 (2006.01); **H01R 4/28** (2006.01)

CPC (source: EP)

H01F 38/14 (2013.01); **H01F 38/30** (2013.01)

Citation (search report)

See references of WO 2010136051A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2010136051 A1 20101202; EP 2436018 A1 20120404

DOCDB simple family (application)

EP 2009003737 W 20090526; EP 09776652 A 20090526