

Title (en)

A LIGHTING CIRCUIT THAT USES THE SUPPLY CURRENT IN ORDER TO EXCHANGE LIGHTING LAMP CONTROL MESSAGES

Title (de)

FERNSTEUERUNG EINES BELEUCHTUNGSSYSTEMS ÜBER EINE AUF DEM NETZ ÜBERTRAGENE TRÄGERWELLE

Title (fr)

RESEAU D'ECLAIRAGE UTILISANT LE COURANT D'ALIMENTATION POUR L'ECHANGE DES MESSAGES DE CONTROLE DES LAMPES D'ECLAIRAGE

Publication

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Application

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Abstract (en)

[origin: WO03019989A1] The invention relates to a lighting circuit comprising a high-voltage distribution line (12), to which a plurality of low-voltage networks (16, 18, 20) are connected by means of low-frequency transformers (20, 22, 24). Each of said networks consists of a low-voltage distribution line (42), to which lighting lamps (44, 46, 48) are connected by means of lamp control modules (50, 52, 54). Transmission/reception means (34, 36) are used to exchange messages with the lamp control modules using the low-frequency supply current that is flowing through the lines as carrier current. A coupling unit (28, 30 or 32) is connected between the input/output terminals of each of the low-frequency transformers. Said coupling unit comprises voltage transformation means, which can transmit the control messages with minimum attenuation, and means for blocking the low-frequency supply current on either side of the coupling unit.

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