Title (en)

ARRANGEMENT FOR THE CONTACTLESS TRANSMISSION OF SIGNALS BETWEEN A FIXED AND A ROTARY VEHICLE COMPONENT

Title (de)

ANORDNUNG ZUM KONTAKTLOSEN ÜBERTRAGEN VON SIGNALEN ZWISCHEN EINEM FESTSTEHENDEN UND EINEM DREHBAR GELAGERTEN FAHRZEUGTEIL

Title (fr)

DISPOSITIF POUR LA TRANSMISSION SANS CONTACT DE SIGNAUX ENTRE UNE PARTIE FIXE ET UNE PARTIE ROTATIVE DU VEHICULE

Publication

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Application

EP 96911921 A 19960425

Priority

- DE 9600723 W 19960425
- DE 19529528 A 19950811

Abstract (en)

[origin: DE19529528A1] In order to reduce the effect on a contactlessly transmitted signal from one component to another with an axial offset between a fixed and a movable vehicle component, there is a variable transformer, the pot cores of which for the primary (3, 11) and the secondary winding (4, 13) consist of either U (1, 2) or L-sections (10, 12). Said pot cores (1, 2, 10, 12) are arranged coaxially inside one another in such a way that one or more air gaps (8, 19, 20) between them run parallel to the axis of rotation (21) and are cut by the magnetic flux radially to the axis (9, 21). One of the surfaces of the two pot cores (1, 2, 10, 12) bordering the air gaps (8, 19, 20) is widened in relation to the other in the direction of the axis (9, 21).

IPC 1-7

G08C 17/04; H01F 38/18

IPC 8 full level

G08C 17/02 (2006.01); **G08C 17/04** (2006.01); **H01F 38/14** (2006.01); **H01F 38/18** (2006.01)

CPC (source: EP KR US)

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