

Title (en)

HIGH-FREQUENCY CONDUCTOR SYSTEM WITH CABLE-BOUND RF BUSHING

Title (de)

HOCHFREQUENZLEITERSYSTEM MIT LEITUNGSGEBUNDENER HF-DURCHFÜHRUNG

Title (fr)

SYSTÈME DE TRANSMISSION DES HAUTES FRÉQUENCES COMPRENANT UNE TRAVERSÉE HF RELIÉE PAR LIGNE

Publication

EP 3298649 A1 20180328 (DE)

Application

EP 16722170 A 20160510

Priority

- DE 102015006739 A 20150522
- EP 2016060413 W 20160510

Abstract (en)

[origin: WO2016188733A1] A high-frequency conductor system (1) has a high-frequency housing (2) which comprises a housing base (7), a housing cover which is at a distance from the housing base, and a housing wall (8, 9) which runs circumferentially between the housing base and the housing cover, as a result of which an accommodation space (10) is formed. At least one cable-bound RF bushing (3) is arranged within the accommodation space (10). The cable-bound RF bushing (3) is electrically isolated from the high-frequency housing (2). A capacitive coupling element (20) is arranged on at least one part of the circumference of the cable-bound RF bushing (3) and is electrically connected to said cable-bound RF bushing. The capacitive coupling element (20) has two end sides (211, 212) which are oriented transverse or perpendicular to the propagation direction (12) of the cable-bound RF bushing (3). A first coupling web (221) is electrically connected to the high-frequency housing (2) and is arranged at a distance from the end side (211, 212) in order to generate a capacitive coupling.

IPC 8 full level

H01P 1/202 (2006.01)

CPC (source: EP US)

H01P 1/202 (2013.01 - EP US); **H01P 3/06** (2013.01 - US); **H01R 13/025** (2013.01 - US); **H01R 24/40** (2013.01 - US)

Citation (search report)

See references of WO 2016188733A1

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Designated extension state (EPC)

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DOCDB simple family (application)

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