

Title (en)
DIRECTIONAL COUPLER

Title (de)
RICHTKOPPLER

Title (fr)
COUPLEUR DIRECTIF

Publication
EP 2052434 A1 20090429 (DE)

Application
EP 07786579 A 20070806

Priority
• EP 2007006936 W 20070806
• DE 102006038029 A 20060814

Abstract (en)
[origin: WO2008019777A1] In the case of a directional coupler with two coupled lines (4-7), which are arranged next to one another and at a distance from one another in a flat area (3) of a closed metal housing (1, 2) in the coupling region in the longitudinal direction and whose ends are connected to connection ports fitted laterally on the metal housing (1, 2), these coupled lines comprise flat sheet-metal conductor tracks, which are arranged next to one another at a distance and facing one another with their broad sides in the coupling region and are held by a plurality of supporting elements (13, 14) of insulating material in a freely-supporting manner at a distance from the opposite inner walls of the flat metal housing area (3) in said metal housing area. In this case, at least one conductor track (9, 10), is bent in relation to the opposite conductor tracks in such a way that the distance between the conductor tracks (9, 10) in the coupling region increases approximately exponentially starting from the coupling region start (E1) up to the coupling region end (E2). The width of the two conductor tracks increases in the coupling region.

IPC 8 full level
H01P 5/04 (2006.01); **H01P 5/18** (2006.01)

CPC (source: EP US)
H01P 5/184 (2013.01 - EP US)

Citation (search report)
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