

Title (en)
A directional coupler and a method thereof

Title (de)
Richtungskoppler und Verfahren dafür

Title (fr)
Coupleur directionnel et son procédé

Publication
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Application
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Priority
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Abstract (en)
The invention relates to a directional coupler, comprising: a first conductor; an insulator surrounding said first conductor having an outer surface; a second conductor surrounding said insulator, the first and the second conductor being adapted for power RF (radio-frequency) transmission; a cavity in said second conductor extending to at least the outer surface of the insulator; a third conductor in a mounting position in the interior of said cavity having a portion substantially parallel to the first conductor and end portions substantially perpendicular to the first conductor, the third conductor being arranged for receiving a portion of said power RF transmission; and, a filling element, for filling at least part of the cavity, permanently holding the third conductor in said mounting position.

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H01P 5/18 (2006.01)

CPC (source: EP)
H01P 5/183 (2013.01)

Citation (applicant)
WO 2007099202 A1 20070907 - POWERWAVE COMTEK OY [FI], et al

Citation (search report)
• [X] WO 2007099202 A1 20070907 - POWERWAVE COMTEK OY [FI], et al
• [X] US 2004196115 A1 20041007 - FALLON DAN [US], et al
• [A] US 2770779 A 19561113 - TURNER THOMAS F
• [A] US 6400235 B1 20020604 - PEREZ HENRY [US]

Cited by
CN103500869A; CN103500870A; EP2658029A1; US9041497B2

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