

Title (en)  
SPATIAL POWER COMBINER

Title (de)  
RÄUMLICHER LEISTUNGSKOMBINATOR

Title (fr)  
COMBINEUR SPATIAL DE PUISSANCE

Publication  
**EP 3171451 A1 20170524 (FR)**

Application  
**EP 16200051 A 20161122**

Priority  
FR 1561267 A 20151123

Abstract (en)  
[origin: US2017149113A1] A spatial power combiner includes several inputs to which are respectively linked a plurality of transmission lines, and an output. A body defines a cavity and the plurality of transmission lines pass longitudinally through the cavity and are disposed around an absorbent member also extending longitudinally in the cavity. A power amplification set includes the spatial power combiner and an amplification structure at the input of the spatial power combiner.

Abstract (fr)  
Le combineur spatial de puissance (10) comporte plusieurs entrées (11 a, 11 b, 11 c, ...) auxquelles sont reliées respectivement un ensemble de lignes de transmission (a, b, c, ...), et une sortie (12). Le combineur spatial de puissance comporte en outre un corps (13) formant une cavité (14) et l'ensemble de lignes de transmission (a, b, c, ...) traversent longitudinalement la cavité (14) et sont disposées autour d'un élément absorbant (15) s'étendant longitudinalement dans la cavité (14).

IPC 8 full level  
**H01P 5/02** (2006.01); **H01P 5/12** (2006.01); **H03F 3/60** (2006.01); **H01P 1/23** (2006.01)

CPC (source: EP US)  
**H01P 1/30** (2013.01 - US); **H01P 3/081** (2013.01 - US); **H01P 5/028** (2013.01 - EP US); **H01P 5/12** (2013.01 - EP US); **H01P 5/16** (2013.01 - US); **H01P 1/23** (2013.01 - EP US)

Citation (search report)  
• [XYI] US 5142253 A 19920825 - MALLAVARPU RAGHUVVEER [US], et al  
• [X] US 4424496 A 19840103 - NICHOLS LAWRENCE J [US], et al  
• [Y] US 5262739 A 19931116 - DALMAN G CONRAD [US]  
• [A] US 4371845 A 19830201 - PITZALIS JR OCTAVIUS  
• [A] US 4129839 A 19781212 - TEMPLE S [US], et al  
• [A] US 7215220 B1 20070508 - JIA PENGCHENG [US]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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