

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]
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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

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