

Title (en)

Phase-shifting combiner for electromagnetic waves.

Title (de)

Phasenschiebungsaddierer für elektromagnetische Wellen.

Title (fr)

Combineur à déphasage pour ondes électromagnétiques.

Publication

EP 0336339 B1 19931215 (FR)

Application

EP 89105813 A 19890403

Priority

FR 8804542 A 19880406

Abstract (en)

[origin: EP0336339A1] Phase-shifting combiner for electromagnetic waves, comprising at least one phase-shifting cell formed of a hybrid coupler (12), of an input transmission line (10), of an output transmission line (11), and of a loop transmission line (13) which is connected between the first input and the first output of the coupler (12), the input transmission line (10) being connected to the second input of the coupler, and the output transmission line (11) being connected to the second output of the coupler. <??>Application in particular to the field of telecommunications.
<IMAGE>

IPC 1-7

H01P 1/18; **H01P 5/16**

IPC 8 full level

H01P 1/18 (2006.01); **H01P 5/04** (2006.01); **H01P 5/12** (2006.01); **H01P 5/16** (2006.01)

CPC (source: EP US)

H01P 1/182 (2013.01 - EP US); **H01P 5/16** (2013.01 - EP US)

Cited by

AU633019B2

Designated contracting state (EPC)

DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0336339 A1 19891011; **EP 0336339 B1 19931215**; CA 1298885 C 19920414; DE 68911352 D1 19940127; FR 2629949 A1 19891013; FR 2629949 B1 19901116; JP H01300601 A 19891205; US 4961061 A 19901002

DOCDB simple family (application)

EP 89105813 A 19890403; CA 595386 A 19890331; DE 68911352 T 19890403; FR 8804542 A 19880406; JP 8783789 A 19890406; US 33334189 A 19890404