

Title (en)
DEVICE FOR BROADBAND MECHANICAL DEPHASING IN WAVEGUIDE

Title (de)
WELLENLEITERVORRICHTUNG ZUR MECHANISCHEN BREITBANDIGEN PHASENVERSCHIEBUNG

Title (fr)
DISPOSITIF DE DEPHASAGE MECANIQUE LARGE BANDE EN ONDE GUIDEE

Publication
EP 3667808 B1 20240529 (FR)

Application
EP 19214377 A 20191209

Priority
FR 1872664 A 20181211

Abstract (en)
[origin: CA3064539A1] Device for phase-shifting a radiofrequency signal, comprising a first carrier (SF) and a second carrier (SM), an input port (PE) and an output port (PS) for radiofrequency signals, the input port (PE) and the output port (PS) being formed on the first carrier (SF), the phase-shifting device comprising: a first array of conductive pads (RP1) that are distributed over the first carrier (SF) and run from the input port (PE), a second array of conductive pads (RP2) that are distributed over the second carrier (SM), the first carrier (SF), the second carrier (SM), the first array of conductive pads (RP1) and the second array of conductive pads (RP2) being arranged so as to form a structure for guiding radiofrequency signals of variable length having a rectangular cross section, the first array of conductive pads (RP1) and the second array of conductive pads (RP2) being configured such that the length and cross section of the guide structure change, over at least a portion of the path along which the radiofrequency signals propagate through the guide structure, as the second carrier (SM) moves relative to the first carrier (SF).

IPC 8 full level
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CPC (source: EP US)
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