

Title (en)
MICROWAVE PHASE SHIFTER

Title (de)
MIKROWELLENPHASENSCHIEBER

Title (fr)
RÉGULATEUR DE PHASE D'ONDES ULTRA-COURTES

Publication
EP 3312933 A1 20180425 (EN)

Application
EP 16382474 A 20161019

Priority
EP 16382474 A 20161019

Abstract (en)
A microwave phase shifter, comprising: a non-rotating linear-to-circular polarization converter (1) with a squared cross section, located at one end of the phase shifter (10); a non-rotating circular-to-linear polarization converter (9) with a squared cross section, located at the opposite end of the phase shifter (10); a rotatable squared waveguide (2) with a circular-to-linear-to-circular polarization converter, positioned at a middle section of the phase shifter (10); rotary joints (5, 6) with a circular cross section for rotating the rotatable squared waveguide (2), the rotary joints (5, 6) being located at both ends of the rotatable squared waveguide (2); mode launchers (3, 4, 7, 8) for adapting the squared waveguides (1, 2, 9) to the circular cross section of the rotary joints (5, 6).

IPC 8 full level
H01P 1/06 (2006.01); **H01P 1/161** (2006.01); **H01P 1/17** (2006.01); **H01P 1/18** (2006.01)

CPC (source: EP)
H01P 1/067 (2013.01); **H01P 1/161** (2013.01); **H01P 1/173** (2013.01); **H01P 1/182** (2013.01); **H01P 5/082** (2013.01)

Citation (applicant)
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