

Title (en)
WAVEGUIDE POWER DIVIDER FOR A LINEARLY POLARIZED WAVE

Publication
EP 0232901 B1 19911016 (FR)

Application
EP 87101836 A 19870210

Priority
FR 8601770 A 19860210

Abstract (en)
[origin: EP0232901A1] Power divider in a waveguide (10) operating under linear polarisation and fed by a wave, of wavelength λ , in the fundamental mode. This device includes in its end a second guide (11) at the break forming a short-circuit plane (18) with the first guide, and at least two perpendicularly-directed radial slots (14, 15) arranged at the periphery of the first guide at a specified distance from the short-circuit plane (18) in such a way that the energy coupled in these slots is a maximum, the radial direction of one of these slots forming a specified angle relative to the plane of polarisation of the wave incident in the mid-plane perpendicular to these two slots (14, 15). <IMAGE>

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IPC 8 full level
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CPC (source: EP)
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Cited by
CN104064846A; CN102544670A

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