

Title (en)
Circular-to-linear polarized wave transducer

Title (de)
Vorrichtung zur Umwandlung zirkular polarisierter Wellen in linear polarisierte Wellen

Title (fr)
Transducteur d'ondes polarisées circulaires en linéaires

Publication
EP 1154510 B1 20050907 (DE)

Application
EP 01109544 A 20010417

Priority
DE 20006916 U 20000414

Abstract (en)
[origin: US2002154402A1] A device is disclosed for converting a circularly polarized electromagnetic radiation into linearly polarized electromagnetic radiation. The device includes a depolarizer with depolarizing elements supported in a polarization mode converter for rotation between a vertical output and a horizontal output. A depolarization position for circularly polarized radiation exists between the horizontal output and the vertical output. The rotation direction of the depolarizer can be adjusted to selectively direct left-handed circularly polarized and right-handed circularly polarized radiation either to the vertical or the horizontal output.

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IPC 8 full level
H01P 1/17 (2006.01)

CPC (source: EP US)
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Cited by
US9136577B2; US9203162B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2002154402 A1 20021024; **US 6693497 B2 20040217**; AT E304225 T1 20050915; DE 20006916 U1 20010613; DE 50107331 D1 20051013; EP 1154510 A2 20011114; EP 1154510 A3 20020710; EP 1154510 B1 20050907

DOCDB simple family (application)
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