

Title (en)
INTEGRATED TRANSMITTER OR RECEIVER DEVICE

Title (de)
INTEGRIERTE ÜBERTRAGUNGS- ODER EMPFANGSVORRICHTUNG

Title (fr)
DISPOSITIF D'EMISSION OU DE RECEPTION INTEGRE

Publication
EP 0919071 A1 19990602 (FR)

Application
EP 98929525 A 19980609

Priority
• FR 9801176 W 19980609
• FR 9707353 A 19970613

Abstract (en)
[origin: US6198456B1] The present invention relates to a transmission or reception device. The device comprises several layers having openings such that the stack thereof produces one or more antennas. Microwave circuits are implanted on internal layers.

IPC 1-7
H01Q 13/02; **H01Q 21/06**; **H01Q 21/00**

IPC 8 full level
H01Q 13/02 (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01); **H01Q 23/00** (2006.01)

CPC (source: EP US)
H01Q 13/0283 (2013.01 - EP US); **H01Q 21/0087** (2013.01 - EP US); **H01Q 21/064** (2013.01 - EP US)

Citation (search report)
See references of WO 9857391A1

Cited by
US10552036B2; US11604579B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
US 6198456 B1 20010306; EP 0919071 A1 19990602; FR 2764738 A1 19981218; FR 2764738 B1 19990827; IL 128420 A0 20000131; IL 128420 A 20020421; JP 2000517145 A 20001219; WO 9857391 A1 19981217

DOCDB simple family (application)
US 14768899 A 19990216; EP 98929525 A 19980609; FR 9707353 A 19970613; FR 9801176 W 19980609; IL 12842098 A 19980609; JP 50176999 A 19980609