

Title (en)

Receiver device.

Title (de)

Empfangsvorrichtung.

Title (fr)

Dispositif récepteur.

Publication

**EP 0572701 A1 19931208 (EN)**

Application

**EP 92109486 A 19920604**

Priority

- EP 92109486 A 19920604
- CA 2070204 A 19920602

Abstract (en)

A receiver device for receiving a microwave, having an antenna (2) and a receiving circuit (3), in which a plane antenna comprising at least one antenna element (4), and a receiving circuit connected to the plane antenna are formed on one and the same semi-insulating compound semiconductor substrate. Therefore, the antenna and the signal receiving circuit can be connected with a microstrip line, and the resultant receiver device is reduced both in size and in weight. Furthermore, the plane antenna, the receiving circuit, and the microstrip line can be integrated by ordinary IC manufacturing process. <IMAGE>

IPC 1-7

**H01Q 23/00**

IPC 8 full level

**H01Q 1/24** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01); **H01Q 23/00** (2006.01)

CPC (source: EP)

**H01Q 1/247** (2013.01); **H01Q 21/0093** (2013.01); **H01Q 21/065** (2013.01); **H01Q 23/00** (2013.01)

Citation (search report)

- [X] EP 0346125 A2 19891213 - NEC CORP [JP]
- [Y] US RE32369 E 19870310
- [Y] PATENT ABSTRACTS OF JAPAN vol. 015, no. 459 (E-1136)21 November 1991 & JP-A-03 196705 ( HITACHI LTD. ) 28 August 1991
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 278 (E-941)15 June 1990 & JP-A-02 087703 ( NEC CORP. ) 28 March 1990
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 188 (E-1198)7 May 1992 & JP-A-04 025046 ( NEC CORP. ) 28 January 1992

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KR100702089B1; DE4431071A1; DE4431071C2; EP1069644A3; US6531983B1

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DOCDB simple family (publication)

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