

(19)



(11)

EP 1 220 351 B8

(12)

CORRECTED EUROPEAN PATENT SPECIFICATION

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(51) Int Cl.:
H01P 1/208^(2006.01)

(48) Corrigendum issued on:
16.05.2018 Bulletin 2018/20

(45) Date of publication and mention
of the grant of the patent:
04.04.2018 Bulletin 2018/14

(21) Application number: **01403270.0**

(22) Date of filing: **17.12.2001**

(54) **High performance microwave filter**

Hochleistungs-Mikrowellenfilter

Filtre hyperfréquence à haute performance

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR**

(30) Priority: **29.12.2000 ES 200003144**

(43) Date of publication of application:
03.07.2002 Bulletin 2002/27

(73) Proprietor: **Alcatel Lucent
91620 Nozay (FR)**

(72) Inventors:

- **Barba Gea, Mariano**
28820 Coslada,
Madrid (ES)
- **Caceres Armendariz, Jose Luis**
28760 Tres Cantos,
Madrid (ES)
- **Padilla Cruz, Manuel Jesus**
28760 Tres Cantos,
Madrid (ES)
- **Hidalgo Carpintero, Isidro**
28003 Madrid (ES)

(74) Representative: **Esselin, Sophie et al**
Marks & Clerk France
Conseils en Propriété Industrielle
Immeuble Visium
22 avenue Aristide Briand
94117 Arcueil Cedex (FR)

(56) References cited:
US-A- 5 652 556

- **CHI WANG ET AL: "MIXED MODES CYLINDRICAL PLANAR DIELECTRIC RESONATOR FILTERS WITH RECTANGULAR ENCLOSURE" IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, IEEE INC. NEW YORK, US, vol. 43, no. 12, PART 2, 1 December 1995 (1995-12-01), pages 2817-2823, XP000549431 ISSN: 0018-9480**
- **JI-FUH LIANG ET AL: "MIXED MODES DIELECTRIC RESONATOR FILTERS" IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, IEEE INC. NEW YORK, US, vol. 42, no. 12, 1 December 1994 (1994-12-01), pages 2449-2454, XP000486988 ISSN: 0018-9480**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 1 220 351 B8

Remarks:

The file contains technical information submitted after the application was filed and not included in this specification