



(11) **EP 1 478 091 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 84

(51) Int Cl.:
H03H 9/46 ^(2006.01) **H03H 9/58** ^(2006.01)
H03H 9/64 ^(2006.01)

(48) Corrigendum issued on:
23.09.2015 Bulletin 2015/39

(45) Date of publication and mention
of the grant of the patent:
08.07.2015 Bulletin 2015/28

(21) Application number: **04011415.9**

(22) Date of filing: **13.05.2004**

(54) **Filter device with sharp attenuation characteristic in narrow bandwidth and branching filter using the same**

Filtereinrichtung mit scharfer Dämpfung in schmaler Bandbreite und Abzweigfilter mit einer solchen Filtereinrichtung

Dispositif de filtrage avec caractéristique d'atténuation raide en bande passante étroite et filtre de dérivation utilisant celui-ci

(84) Designated Contracting States:
DE FR

(30) Priority: **13.05.2003 JP 2003133898**

(43) Date of publication of application:
17.11.2004 Bulletin 2004/47

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(56) References cited:
EP-A- 0 788 224 EP-A- 1 253 713
EP-A1- 0 654 912 EP-A2- 1 035 648
JP-A- 7 283 688

- **PATENT ABSTRACTS OF JAPAN vol. 1995, no. 09, 31 October 1995 (1995-10-31) & JP 07 154199 A (OKI ELECTRIC IND CO LTD), 16 June 1995 (1995-06-16)**
- **PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02, 29 February 1996 (1996-02-29) & JP 07 273597 A (OKI ELECTRIC IND CO LTD), 20 October 1995 (1995-10-20)**

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