



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 0 823 780 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

Note: Bibliography reflects the latest situation

(15) Correction information:
Corrected version no 1 (W1 B1)
INID code(s) 72

(51) Int Cl.7: **H03H 9/02, H03H 3/08**

(48) Corrigendum issued on:
04.09.2002 Bulletin 2002/36

(45) Date of publication and mention
of the grant of the patent:
05.12.2001 Bulletin 2001/49

(21) Application number: **97117914.8**

(22) Date of filing: **10.09.1992**

(54) **Electro-acoustic hybrid integrated circuit and manufacturing method thereof**

Elektroakustische hybride integrierte Schaltung und Methode zu deren Herstellung

Circuit intégré électro-acoustique hybride et méthode pour sa fabrication

(84) Designated Contracting States:
DE FR GB

(30) Priority: **12.09.1991 JP 23284191**
10.02.1992 JP 2348892
04.03.1992 JP 4690792

(43) Date of publication of application:
11.02.1998 Bulletin 1998/07

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
92115465.4 / 0 531 985

(73) Proprietor: **MATSUSHITA ELECTRIC INDUSTRIAL**
CO., LTD.
Kadoma-shi, Osaka (JP)

(72) Inventors:
• **Eda, Kazuo**
Nara-shi, Nara, 631 (JP)

• **Taguchi, Yutaka**
Takatsuki-shi, Osaka-fu (JP)
• **Kanaboshi, Akihiro**
Higashiosaka-shi Osaka-fu (JP)
• **Ogura, Tetsuyoshi**
Settsu-shi, Osaka-fu (JP)

(74) Representative: **Eisenführ, Speiser & Partner**
Martinistrasse 24
28195 Bremen (DE)

(56) References cited:
DE-A- 3 922 671 **US-A- 4 665 374**

• **PATENT ABSTRACTS OF JAPAN vol. 015, no.**
423 (E-1127), 28 October 1991 & JP 03 178206 A
(NEC CORP), 2 August 1991,

Note: Within nine months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notice of opposition shall be filed in a written reasoned statement. It shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 0 823 780 B8