



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) **EP 1 043 591 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

Note: Bibliography reflects the latest situation

(15) Correction information:

**Corrected version no 1 (W1 B1)**  
**INID code(s) 84**

(51) Int Cl.:

**G01R 1/20** <sup>(2006.01)</sup> **H01L 23/62** <sup>(2006.01)</sup>  
**H01L 23/64** <sup>(2006.01)</sup>

(48) Corrigendum issued on:

**13.12.2006 Bulletin 2006/50**

(45) Date of publication and mention  
of the grant of the patent:

**31.05.2006 Bulletin 2006/22**

(21) Application number: **00107262.8**

(22) Date of filing: **03.04.2000**

(54) **Power semiconductor module**

Leistungshalbleitermodul

Module semiconducteur de puissance

(84) Designated Contracting States:  
**DE FR GB IT**

(30) Priority: **05.04.1999 JP 9724699**  
**06.03.2000 JP 2000059713**

(43) Date of publication of application:  
**11.10.2000 Bulletin 2000/41**

(73) Proprietor: **MITSUBISHI DENKI KABUSHIKI**  
**KAISHA**  
**Chiyoda-ku**  
**Tokyo 100-8310 (JP)**

(72) Inventors:

- **Muto, Hirotaka**  
**Chiyoda-ku,**  
**Tokyo 100-8310 (JP)**
- **Kikunaga, Toshiyuki**  
**Chiyoda-ku,**  
**Tokyo 100-8310 (JP)**
- **Ohi, Takeshi**  
**Chiyoda-ku,**  
**Tokyo 100-8310 (JP)**
- **Kinouchi, Shin-ichi**  
**Chiyoda-ku,**  
**Tokyo 100-8310 (JP)**

- **Horiguchi, Takeshi**  
**Chiyoda-ku,**  
**Tokyo 100-8310 (JP)**
- **Usui, Osamu**  
**Chiyoda-ku,**  
**Tokyo 100-8310 (JP)**
- **Okuda, Tatsuya**  
**Chiyoda-ku,**  
**Tokyo 100-8310 (JP)**

(74) Representative: **Popp, Eugen et al**  
**MEISSNER, BOLTE & PARTNER**  
**Postfach 86 06 24**  
**81633 München (DE)**

(56) References cited:

**EP-A- 0 500 975** **EP-A- 0 680 147**  
**DE-A- 2 413 457** **DE-A- 3 611 595**  
**US-A- 4 617 548** **US-A- 5 061 863**

- **PATENT ABSTRACTS OF JAPAN vol. 1996, no.**  
**12, 26 December 1996 (1996-12-26) -& JP 08**  
**204180 A (FUJI ELECTRIC CO LTD), 9 August**  
**1996 (1996-08-09)**

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 1 043 591 B8**