



(11) **EP 1 762 562 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**

published in accordance with Art. 158(3) EPC

Note: Bibliography reflects the latest situation

(15) Correction information:

Corrected version no 1 (W1 A1)
INID code(s) 72

(51) Int Cl.:

C07C 211/58 (2006.01) **C09K 11/06** (2006.01)
H05B 33/14 (2006.01) **H05B 33/22** (2006.01)

(48) Corrigendum issued on:

09.05.2007 Bulletin 2007/19

(86) International application number:

PCT/JP2005/011105

(43) Date of publication:

14.03.2007 Bulletin 2007/11

(87) International publication number:

WO 2006/001223 (05.01.2006 Gazette 2006/01)

(21) Application number: **05751556.1**

(22) Date of filing: **17.06.2005**

(84) Designated Contracting States:

**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR**

(72) Inventor: **FUNAHASHI, Masakazu**

Sodegaura-shi, Chiba 2990293 (JP)

(30) Priority: **28.06.2004 JP 2004189368**

(74) Representative: **Gille Hrabal Struck Neidlein Prop
Roos**

**Brucknerstrasse 20
40593 Düsseldorf (DE)**

(71) Applicant: **IDEMITSU KOSAN CO., LTD.**
Tokyo 100-8321 (JP)

(54) **AROMATIC AMINE DERIVATIVE AND ORGANIC ELECTROLUMINESCENT ELEMENT USING THE SAME**

(57) A specified aromatic amine derivative having a naphthalene structure bonding to diphenylamino group with a substituent. An organic electroluminescence device which comprises at least one organic thin film layer comprising a light emitting layer sandwiched between a pair of electrode consisting of an anode and a cathode, wherein at least one of the organic thin film layer com-

prises the aromatic amine derivative singly or as its mixture component. Organic electroluminescence devices having a long lifetime and a high efficiency of light emission, and aromatic amine derivatives capable of realizing such organic EL devices are provided.

EP 1 762 562 A8