(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 2 317 562 A8

(12) **CORRECTED EUROPEAN PATENT APPLICATION**

(15) Correction information:
Corrected version no 1 (W1 A1)
Corrections, see
Bibliography INID code(s) 71

(48) Corrigendum issued on:
10.08.2011 Bulletin 2011/32

(43) Date of publication:
04.05.2011 Bulletin 2011/18

(21) Application number: **09382238.5**

(22) Date of filing: **03.11.2009**

(51) Int Cl.:
H01L 31/0224 *(2006.01)* ***H01L 31/18*** *(2006.01)*
G02F 1/1343 *(2006.01)* ***H01G 9/20*** *(2006.01)*
H05B 33/28 *(2006.01)* ***H01L 51/52*** *(2006.01)*
H01L 51/44 *(2006.01)* ***H01L 33/42*** *(2010.01)*

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR
Designated Extension States:
AL BA RS

(71) Applicants:
- **Institut De Ciències Fotòniques, Fundació Privada**
  08860 Castelldefels (Barcelona) (ES)
- **Institució Catalana de Recerca i Estudis Avançats**
  08010 Barcelona (ES)

(72) Inventors:
- **Pruneri, Valerio**
  08860, CASTELLDEFELS (Barcelona) (ES)
- **Ghosh, Dhriti, Sundar**
  08860, CASTELLDEFELS (Barcelona) (ES)
- **Chen, Tong, Lai**
  08860, CASTELLDEFELS (Barcelona) (ES)

(74) Representative: **Carpintero Lopez, Francisco et al**
Herrero & Asociados, S.L.
Alcalá 35
28014 Madrid (ES)

(54) **Multilayer metallic electrodes for optoelectronics**

(57) The invention relates to an electrode comprising a substrate (1) and a layered structure comprising an electrically conductive film (2) in contact with at least one ultra thin metal film (3), wherein the two films (2,3) are of different materials and

- said electrically conductive film (2) is selected from Cu, Au, Ag, Al
- said ultra thin metal film (3) is selected from Ni, Cr, Ti, Pt, Ag, Au, Al and their mixtures. The electrode is particularly useful for optoelectronic devices and shows good conductivity, transparency and stability.

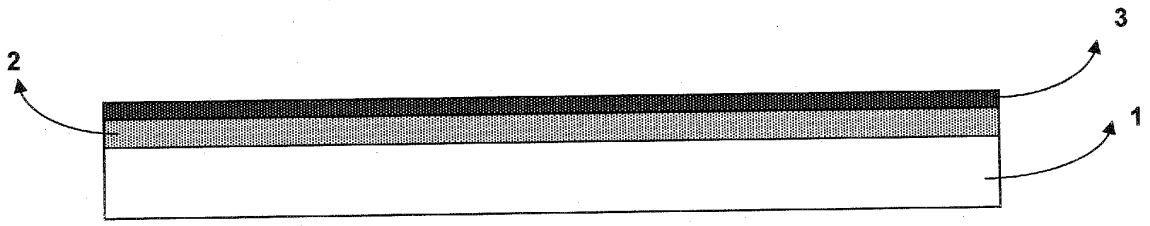

Fig. 1

EP 2 317 562 A8