

Title (en)
LIGHT SOURCE AND METHOD FOR PRODUCING THE SAME

Title (de)
LICHTQUELLE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
SOURCE LUMINEUSE ET PROCEDE PERMETTANT DE LA PRODUIRE

Publication
EP 1057210 A1 20001206 (DE)

Application
EP 99904692 A 19990104

Priority

- DE 9900006 W 19990104
- DE 19802160 A 19980121

Abstract (en)
[origin: DE19802160A1] A light source, consisting of semiconductor material (20) with one or more recesses (30, 40) filled with a gas or a liquid, is new. Independent claims are also included for the following: (i) an integrated electric circuit which includes the above light source; (ii) a display device which includes the above light source and/or the above integrated circuit; and (iii) a method of producing the above light source. Preferred Features: The recess (30, 40) is filled with a fluorescent gas containing Hg atoms, especially with addition of Tl, Na or Cd. The gas may also contain fluorine, an organic dyestuff and/or an aromatic hydrocarbon.

IPC 1-7
H01J 61/30

IPC 8 full level
H01J 17/49 (2006.01); **H01J 61/30** (2006.01); **H01J 65/04** (2006.01)

CPC (source: EP)
H01J 17/49 (2013.01); **H01J 61/30** (2013.01); **H01J 65/046** (2013.01)

Citation (search report)
See references of WO 9938195A1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
DE 19802160 A1 19990722; DE 59904273 D1 20030320; EP 1057210 A1 20001206; EP 1057210 B1 20030212; TW 409431 B 20001021; WO 9938195 A1 19990729

DOCDB simple family (application)
DE 19802160 A 19980121; DE 59904273 T 19990104; DE 9900006 W 19990104; EP 99904692 A 19990104; TW 88100189 A 19990107