

Title (en)  
Flat panel display with hydrogen source

Title (de)  
Flacher Bildschirm mit Wasserstoffquelle

Title (fr)  
Ecran plat de visualisation à source d'hydrogène

Publication  
**EP 0802559 B1 20011205 (FR)**

Application  
**EP 97410044 A 19970415**

Priority  
FR 9605121 A 19960418

Abstract (en)  
[origin: EP0802559A1] The screen has a cathode composed of microdots (2) for electron bombardment of an anode (5) provided with luminophores (7) of the primary colours. The source of progressive emission is a resistive coating (11) of hydrogenated silicon or its carbide, nitride or oxide, or hydrogenated carbon or germanium. An alternative source comprises a number of insulating strips or tracks (8) which separate the luminophores on the anode side of the evacuated space (12). Either source may be formed by plasma-enhanced chemical vapour deposition with controlled temperature, pressure or self-bias voltage.

IPC 1-7  
**H01J 31/12**; **H01J 29/94**

IPC 8 full level  
**H01J 31/12** (2006.01); **H01J 9/39** (2006.01); **H01J 29/04** (2006.01); **H01J 29/32** (2006.01); **H01J 29/88** (2006.01); **H01J 29/94** (2006.01)

CPC (source: EP US)  
**H01J 29/88** (2013.01 - EP US); **H01J 29/94** (2013.01 - EP US); **H01J 2201/30403** (2013.01 - EP US); **H01J 2329/00** (2013.01 - EP US)

Cited by  
FR2781602A1; EP0836217A1; US5959400A; WO0189054A3

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0802559 A1 19971022**; **EP 0802559 B1 20011205**; DE 69708739 D1 20020117; DE 69708739 T2 20020718; FR 2747839 A1 19971024; FR 2747839 B1 19980703; JP H1055770 A 19980224; US 5907215 A 19990525

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