

Title (en)

Method for manufacturing a transparent binderless storage phosphor screen

Title (de)

Verfahren zum Herstellen eines transparenten bindemittelfreien Speicherleuchtschirms

Title (fr)

Procédé pour fabriquer un écran d'enregistrement luminescent transparent sans liant

Publication

**EP 1376614 A2 20040102 (EN)**

Application

**EP 03101691 A 20030611**

Priority

- EP 03101691 A 20030611
- EP 02100765 A 20020628

Abstract (en)

A method has been disclosed for manufacturing a binderless storage phosphor screen or panel comprising a support and a stimuable phosphor layer with a layer thickness in the range from 100  $\mu\text{m}$  up to 1000  $\mu\text{m}$ , said phosphor layer having a transparency of at least 50 % for radiation in the wavelength range from 350 nm up to 750 nm, characterised in that said transparency has been provided by melting of a powdery phosphor or a phosphor present in structured form in a structured layer, in order to get a liquid phosphor layer, followed by solidifying said liquid phosphor layer.

IPC 1-7

**G21K 4/00**

IPC 8 full level

**G21K 4/00** (2006.01)

CPC (source: EP)

**G21K 4/00** (2013.01); **G21K 2004/04** (2013.01); **G21K 2004/06** (2013.01); **G21K 2004/10** (2013.01); **G21K 2004/12** (2013.01)

Cited by

EP1998338A1; US10125312B2; US7183560B2; US7288150B2

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