

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 µm up to 1000 µm, 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)

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Cited by

EP1998338A1; US10125312B2; US7183560B2; US7288150B2

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