

Title (en)  
X-RAY IMAGE INTENSIFYING SCREENS

Publication  
**EP 0000792 B1 19830209 (EN)**

Application  
**EP 78200053 A 19780620**

Priority  
• BE 2056201 A 19770831  
• GB 3049777 A 19770720

Abstract (en)  
[origin: US4180740A] An X-ray image intensifying screen is described comprising halide-containing phosphor particles. In order to improve the stability to moisture and thus to protect against loss of fluorescence power the phosphor particles are admixed with, combined with or have reacted with one or more organic substances that are capable of reacting with hydrogen chloride and/or labile halogen. The stability is further improved by admixture of nonhygroscopic halide-free phosphor particles in such a ratio that the ratio of the intensification factor of said screen with respect to the intensification factor of said screen but containing no such halide-free phosphor particles is not smaller than 1:4.

IPC 1-7  
**G03C 5/17**; **G21K 4/00**; **C01F 17/00**

IPC 8 full level  
**C09K 11/02** (2006.01); **C09K 11/08** (2006.01); **G03C 5/17** (2006.01); **G21K 4/00** (2006.01); **H01J 1/62** (2006.01); **H01J 29/38** (2006.01)

CPC (source: EP US)  
**C09K 11/02** (2013.01 - EP US); **C09K 11/08** (2013.01 - EP US); **G03C 5/17** (2013.01 - EP US); **G21K 4/00** (2013.01 - EP US)

Citation (examination)  
• EP 0000961 A1 19790307 - AGFA GEVAERT NV [BE]  
• EP 0003151 A1 19790725 - AGFA GEVAERT NV [BE]

Cited by  
FR2489033A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0000792 A1 19790221**; **EP 0000792 B1 19830209**; CA 1116389 A 19820119; DE 2862172 D1 19830317; FR 2398326 A1 19790216; FR 2398326 B1 19800620; JP S5422191 A 19790219; JP S6048027 B2 19851024; US 4180740 A 19791225

DOCDB simple family (application)  
**EP 78200053 A 19780620**; CA 306726 A 19780704; DE 2862172 T 19780620; FR 7735134 A 19771118; JP 8667778 A 19780714; US 92066578 A 19780630