

Title (en)

Portal imaging assembly with pair of asymmetric screens and method of use

Title (de)

Anordnung zur Portalbilderzeugung mit asymmetrischen Verstärkerschirmen und Verfahren zur Verwendung

Title (fr)

Assemblage pour la formation d'images portail en oncologie avec des écrans renforceurs asymétriques et procédé d'utilisation

Publication

EP 1271239 A3 20030212 (EN)

Application

EP 02077431 A 20020619

Priority

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- US 89359501 A 20010628

Abstract (en)

[origin: EP1271239A2] A radiographic imaging assembly has two different ("asymmetric") fluorescent intensifying screens on either side of two radiographic silver halide films. The two fluorescent intensifying screens differ in speed by at least 0.1 logE. This imaging assembly provides high contrast images and improved exposure latitude for use in various exposure conditions and equipment. The two films can be the same or different (for example, providing images of different contrast or speed). <IMAGE>

IPC 1-7

G03C 5/17

IPC 8 full level

G03C 1/00 (2006.01); **G03C 1/035** (2006.01); **G03C 1/047** (2006.01); **G03C 1/12** (2006.01); **G03C 1/30** (2006.01); **G03C 1/46** (2006.01); **G03C 1/74** (2006.01); **G03C 5/02** (2006.01); **G03C 5/16** (2006.01); **G03C 5/17** (2006.01); **G03C 5/29** (2006.01); **G03C 5/26** (2006.01)

CPC (source: EP)

G03C 5/16 (2013.01); **G03C 1/035** (2013.01); **G03C 1/46** (2013.01); **G03C 5/17** (2013.01); **G03C 5/26** (2013.01); **G03C 2001/03517** (2013.01); **G03C 2001/03541** (2013.01); **G03C 2001/03594** (2013.01); **G03C 2007/3025** (2013.01); **G03C 2200/27** (2013.01); **G03C 2200/52** (2013.01); **G03C 2200/58** (2013.01)

Citation (search report)

- [Y] FR 875269 A 19420914 - SCHERING AG
- [X] US 5952147 A 19990914 - DICKERSON ROBERT E [US], et al
- [Y] BE 530129 A
- [A] EP 0576910 A1 19940105 - MINNESOTA MINING & MFG [US]
- [A] EP 0530117 A1 19930303 - EASTMAN KODAK CO [US]
- [A] GB 811157 A 19590402 - SIEMENS REINIGER WERKE AG
- [Y] ANONYMOUS: "Arrangements for producing X-ray images of different sensitometry obtained with a single shot X-ray exposure", RESEARCH DISCLOSURE, vol. 199, no. 031, 10 November 1980 (1980-11-10), Emsworth, GB, XP001109409
- [A] "Improved X-ray Imaging", XEROX DISCLOSURE JOURNAL., vol. 3, no. 1, 1978, XEROX CORPORATION. STAMFORD, CONN., US, pages 17, XP002217872

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