

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 A2 20030102 (EN)

Application

EP 02077431 A 20020619

Priority

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- US 89359501 A 20010628

Abstract (en)

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 5/02 (2006.01); **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 5/16** (2006.01); **G03C 5/17** (2006.01); **G03C 5/29** (2006.01); **G03C 5/26** (2006.01)

CPC (source: EP)

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Citation (applicant)

- US 4425425 A 19840110 - ABBOTT THOMAS I [US], et al
- US 4425426 A 19840110 - ABBOTT THOMAS I [US], et al
- US 4414310 A 19831108 - DAUBENDIEK RICHARD L [US], et al
- US 4803150 A 19890207 - DICKERSON ROBERT E [US], et al
- US 4900652 A 19900213 - DICKERSON ROBERT E [US], et al
- US 5252442 A 19931012 - DICKERSON ROBERT E [US], et al
- US 5871892 A 19990216 - DICKERSON ROBERT E [US], et al
- US 3737313 A 19730605 - ROSECRANTS W, et al

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BE DE FR IT

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