

Title (en)

Radiographic screen/film assemblies with improved detection quantum efficiencies.

Title (de)

Radiographische Schirm/Film-Konstruktionen mit verbesserter Quantendetektionsleistungsfähigkeit.

Title (fr)

Assemblages radiographiques écran/film à rendement de détection quantique modifié.

Publication

EP 0384634 A2 19900829 (EN)

Application

EP 90301550 A 19900214

Priority

- US 31402389 A 19890223
- US 37372089 A 19890629
- US 45688989 A 19891226

Abstract (en)

Assemblies of double coated radiographic elements exhibiting sharply curtailed crossover and front and back intensifying screen pairs are disclosed. By choosing a front screen that exceeds a stated sharpness criterion, expressed in terms of modulation transfer factors (MTF), and a back screen and adjacent emulsion layer unit combination exhibiting a photicity at least twice that of the combination of the front screen and its adjacent emulsion layer unit an enhancement in detective quantum efficiency (DQE) is realized.

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G03C 5/17

IPC 8 full level

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