

12

EUROPEAN PATENT APPLICATION

21 Application number: 90301550.1

51 Int. Cl.⁵: **G03C 5/17**

22 Date of filing: 14.02.90

30 Priority: 23.02.89 US 314023
29.06.89 US 373720
26.12.89 US 456889

43 Date of publication of application:
29.08.90 Bulletin 90/35

64 Designated Contracting States:
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

68 Date of deferred publication of the search report:
07.11.90 Bulletin 90/45

71 Applicant: **EASTMAN KODAK COMPANY**
343 State Street
Rochester, New York 14650(US)

72 Inventor: **Bunch, Phillip Carter, c/o EASTMAN KODAK COMPANY**
Patent Department, 343 State Street
Rochester, New York 14650(US)
Inventor: **Dickerson, Robert Edward, c/o EASTMAN KODAK COMP.**
Patent Department, 343 State Street
Rochester, New York 14650(US)

74 Representative: **Baron, Paul Alexander Clifford et al**
Kodak Limited Patent Department Headstone Drive
Harrow Middlesex HA1 4TY(GB)

54 Radiographic screen/film assemblies with improved detection quantum efficiencies.

57 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.

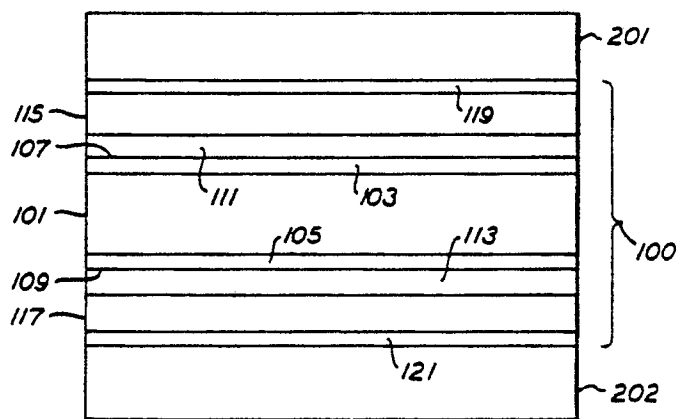


FIG. 1



EP 90 30 1550

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	GB-A-466249 (KALI-CHEMIE) * the whole document *		G03C5/17

D,A	EP-A-65877 (MINNESOTA MINING AND MANUFACTURING) *Example 10*		

D,A	US-A-4425426 (T.I.ABBOTT ET AL.)		

A	AT-A-357031 (K.H.BERNHARDT)		

A	DE-A-2449149 (DUPONT DE NEMOURS)		

A	DE-A-1472865 (EASTMAN KODAK)		

A	EP-A-276566 (EASTMAN KODAK)		

			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G03C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 AUGUST 1990	Examiner PHILOSOPH L.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	