

[54] **NONDIFFUSIVE COMPOUNDS
COMPRISED OF A SENSITIZING DYE
MOIETY AND AN IMAGE DYE MOIETY
JOINED BY A RADIATION CLEAVABLE
LINKAGE**

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Related U.S. Application Data

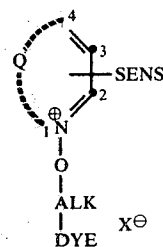
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260/159; 260/163; 260/199; 542/451**

[57] **ABSTRACT**

Radiation-cleavable nondiffusible compounds for providing a transfer dye image are comprised of a spectral sensitizing dye moiety and a diffusible image dye moiety joined by a linkage in the spectral sensitizing dye moiety which is cleaved upon absorption of radiation by the spectral sensitizing dye moiety, thereby releasing a diffusible image dye. Such compounds are useful in radiation-sensitive elements and processes to provide dye images. Preferred compounds have the formula



where:

Q represents the atoms to complete a pyridine or quinoline ring;

SENS is attached to the 2 or 4 position of the pyridine or quinoline ring and represents the atoms which, in conjunction with N, complete a spectral sensitizing dye;

ALK represents an alkylene moiety of 1 to 8 carbon atoms;

DYE represents a diffusible photographic dye or dye precursor moiety; and

X[⊖] represents an anion, if necessary to provide charge neutrality.

3 Claims, No Sheets Drawing,

30 Pages Specification

The file of this unexamined application may be inspected and copies thereof may be purchased (849 O.G. 1221, Apr. 9, 1968).