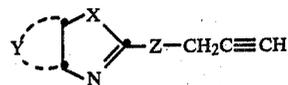


[54] **PHOTOGRAPHIC SPEED INCREASING AND LATENT IMAGE STABILIZING COMPOUNDS, SILVER HALIDE EMULSIONS, AND PHOTOGRAPHIC ELEMENTS**



[76] Inventors: **Roger Lok, Hilton; John P. Freeman, Rochester; William N. Baum, Henrietta, all of N.Y.**

wherein:

X is —O—, —S—, —Se—, or

[21] Appl. No.: **408,536**



[22] Filed: **Aug. 16, 1982**

Y represents the atoms completing a fused aromatic nucleus;

Z is

**Related U.S. Application Data**

[62] Division of Ser. No. 320,794, Nov. 11, 1981, Pat. No. 4,378,426.



[51] Int. Cl.<sup>3</sup> ..... **C07D 277/82; C07D 263/58; C07D 235/30**

and

[52] U.S. Cl. .... **548/121; 430/505; 430/551; 430/600; 430/614; 548/161; 548/179; 548/217; 548/222; 548/329; 548/330**

R is hydrogen or lower alkyl of from 1 to 5 carbon atoms.

[57] **ABSTRACT**

Photographic silver halide emulsions show increased speed and reduced latent image fading when a compound of the following structure is incorporated:

**2 Claims, No Sheets Drawing,  
22 Pages Specification**

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