US005246905A

United States Patent [19]

Sekine et al.

[11] Patent Number: 5,246,905

[45] Date of Patent: Sep. 21, 1993

[54] THERMOSENSITIVE RECORDING MATERIAL

[75] Inventors: Mikiya Sekine; Hidetaka Tsukada, both of Tokyo, Japan

[73] Assignee: Mitsubishi Paper Mills Limited, Tokyo, Japan

[21] Appl. No.: 813,028

[22] Filed: Dec. 24, 1991

[30] Foreign Application Priority Data

Dec. 28, 1990 [JP] Japan 2-415898

[51] Int. Cl.[5] B41M 5/30

[52] U.S. Cl. 503/208; 503/217; 503/221

[58] Field of Search 503/217, 204, 218, 221, 503/225, 208; 427/150-152

[56] References Cited

U.S. PATENT DOCUMENTS

4,521,793	6/1985	Kabashima et al.	503/201
4,880,767	11/1989	Hiraishi et al.	503/217

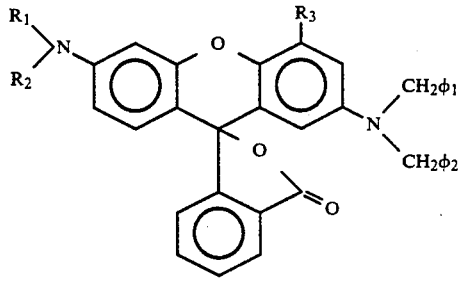
FOREIGN PATENT DOCUMENTS

58-54085	3/1983	Japan	503/201
58-104959	6/1983	Japan	503/201
59-149388	9/1983	Japan	503/201
59-115887	7/1984	Japan	503/201
59-115888	7/1984	Japan	503/201

Primary Examiner—Pamela R. Schwartz
Attorney, Agent, or Firm—Cushman, Darby & Cushman

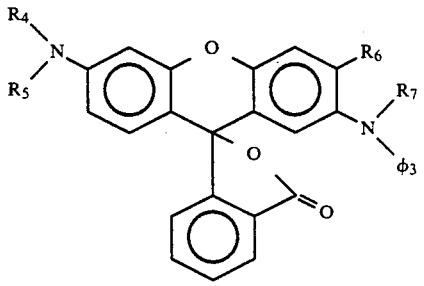
[57] ABSTRACT

A thermosensitive recording material which contains an aromatic isocyanate compound, an imino compound having at least one >C=NH group capable of reacting therewith upon heating to develop a color, fluoran compound I represented by the formula:



I

and a fluoran compound II represented by the formula:



II

4 Claims, No Drawings