

葛 生 伸  
新 谷 孝 司

Polymeric Colorants

AL-1 JEMCO

Yoshihiro SAKANAKA

178-16)

[Redacted text block]

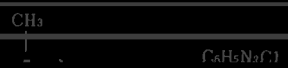
[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]



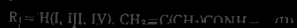
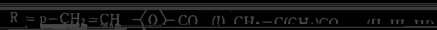
[Redacted text block]

子構造の側鎖に存在しているのだから

amine-anthraquinone monomers<sup>20)</sup>



R<sub>2</sub> O R<sub>1</sub>



1 Color fastness to heat of self-colored polymers.

3,45,46) 19 11 ヲリ、上ノ、55) 上ノ、55) 上ノ、55) 上ノ、55)

4) カジが超生セシテ、



### 3. 高分子色材の性質および用途

#### [1] 性質

[The following text is heavily obscured by horizontal black bars and is largely illegible.]

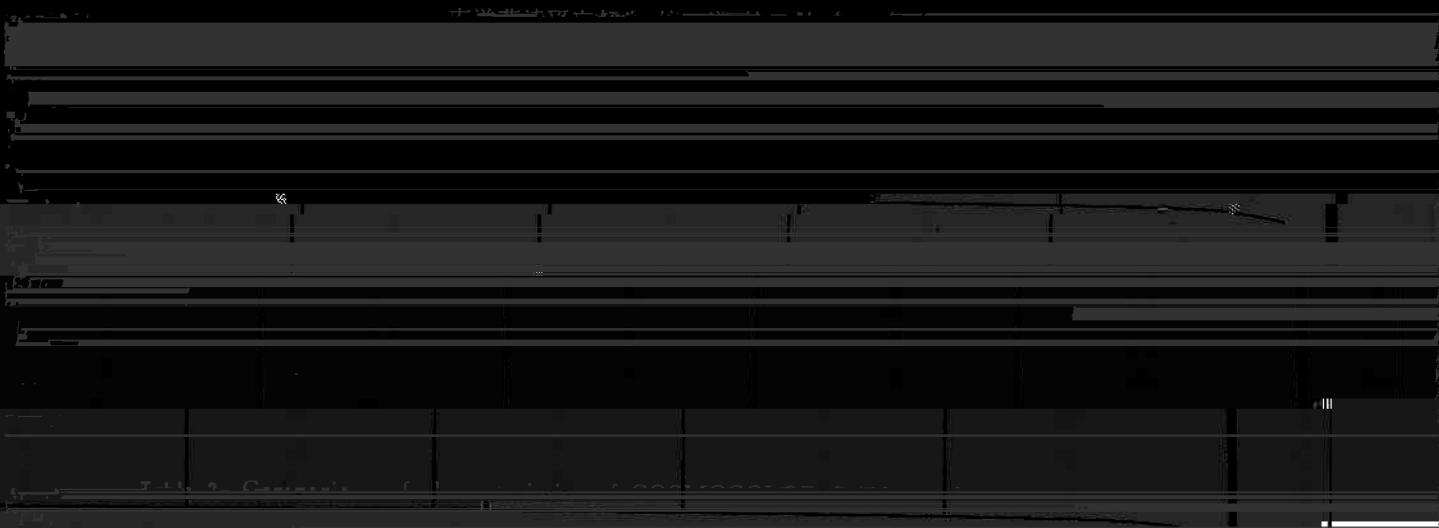
thermally stable ladder polymers

shango resin

poly polymers

conductive polymeric carbon base

① 担体 染料を固定化するアルキルアミン



11

21

21

21

21

Phylogenetic relationships among the

