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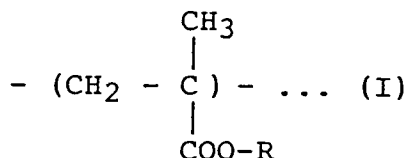
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**W-8000 München 40(DE)**(54) **Electrophotographic printing plate precursor.**

(57) The present invention provides an electrophotographic printing plate precursor wherein the binder resin contained in the photoconductive layer is formed of a copolymer containing at least one monomeric component represented by the following formula (I) and at least one monomeric component having an acidic functional group copolymerizable with said first monomeric component, said copolymer having an acidic functional group bonded to one terminal of its main chain and having a weight-average molecular weight lying in the range of  $1 \times 10^3$  to  $1 \times 10^4$ , whereby its response speed and sensitivity to etching can be improved with elimination of fogging problems.

wherein R stands for an aliphatic or aryl group.

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## EUROPEAN SEARCH REPORT

Application Number

EP 91 10 7653

| 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) |
| P,X   | US-A-4 952 475 (EIICHI KATO, KAZUO ISHII)<br>* column 3, line 13 - line 64 *<br>* column 6, line 23 - column 8, line 37 *<br>X & JP-A-2000874 (5-1-1990)<br>--- | 1   | G03G5/05                                      |
| X   | EP-A-0 361 514 (FUJI PHOTO FILM CO., LTD.)<br>* page 4, line 48 - page 5, line 38 *<br>* page 41, line 1 - page 42, line 5; claim 1 *<br>---                    | 1   |   |
| X   | EP-A-0 352 697 (FUJI PHOTO FILM CO., LTD.)<br>* page 3, line 28 - page 4, line 57 *<br>* page 17 *<br>---   | 1   |   |
| X   | EP-A-0 362 804 (FUJI PHOTO FILM CO., LTD.)<br>* page 4, line 30 - page 5, line 45 *<br>* page 19, line 10 - line 21 *<br>* page 35; claims 1-3 *<br>---         | 1   |   |
| A   | GB-A-2 116 736 (MITSUBISHI PAPER MILLS LTD.)<br>* page 4, line 7 - line 31; claims 13-15 *<br>-----   | 1   |   |
|   |   |   | TECHNICAL FIELDS SEARCHED (Int. Cl.5)         |
|   |   |   | G03G  |
| The present search report has been drawn up for all claims  |   |   |   |
| Place of search<br>THE HAGUE  |   | Date of completion of the search<br>27 MARCH 1992   | Examiner<br>HINDIAS E.                        |
| CATEGORY OF CITED DOCUMENTS   |   |   |   |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |   | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>.....<br>& : member of the same patent family, corresponding document |   |