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(54) **Plate cleaner for electrophotolithographic printing plate.**

(57) A plate cleaner for an electrophotolithographic printing plate and a process for preventing background stains of a lithographic plate using the plate cleaner are described, comprising a suspension or an emulsion containing as main component (1) a water solution of a compound capable of producing a hydrophilic substance by reaction with zinc oxide, (2) a hydrocarbon solvent, and (3) a surface active agent to remove background contamination from a plate surface.



European Patent  
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# EUROPEAN SEARCH REPORT

0144201

Application number

EP 84 30 8150

| 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. 4) |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GB-A-2 089 289 (RICHARDSON GRAPHICS CO.)<br>* Abstract; page 1, line 45 - page 2, line 64; page 3, line 8 - page 4, line 14; examples; claims * | 1-20                                           | B 41 N 3/08                                    |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FR-A-2 350 209 (AMERICAN HOECHST)<br>* Claims; page 2, line 15 - page 4, line 25; page 5, lines 14-31; examples *                               | 1-4, 6-20                                      |                                                |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FR-A-2 158 907 (ADDRESSOGRAPH-MULTIGRAPH)<br>* Page 2, line 16 - page 5, line 29; claims *                                                      | 1-7, 10-17, 19, 20                             |                                                |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FR-A-2 380 888 (RICOH)<br>* Claims; examples *                                                                                                  | 1, 2, 12, 18, 20                               | B 41 N<br>G 03 G                               |
| P, X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DE-A-3 401 159 (AMERICAN HOECHST)<br>* Whole document *                                                                                         | 1-20                                           |                                                |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                 |                                                |                                                |
| Place of search<br>THE HAGUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                 | Date of completion of the search<br>04-12-1986 | Examiner<br>VANHECKE H.                        |
| <p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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/>&amp; : member of the same patent family, corresponding document</p> |                                                                                                                                                 |                                                |                                                |