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(54) **Ink jet recording element and printing method**

(57) An ink jet recording element comprising a support having thereon an image-receiving layer having: (a) inorganic particles having a primary particle size of from about 7 to about 40 nm in diameter which may be aggregated up to about 500 nm; (b) colloidal particles hav-

ing a mean particle size of from about 20 to about 500 nm; and (c) water-insoluble, cationic, polymeric particles having at least about 20 mole percent of a cationic mordant moiety.

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# EUROPEAN SEARCH REPORT

Application Number  
EP 02 07 8432

| 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.7) |
| P,X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | EP 1 226 962 A (EASTMAN KODAK CO)<br>31 July 2002 (2002-07-31)<br>* the whole document *                                                                                       | 1,2,4,6,7,10                                       | B41M5/00                                     |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                |                                                    | TECHNICAL FIELDS SEARCHED (Int.Cl.7)         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                |                                                    | B41M                                         |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                |                                                    |                                              |
| Place of search<br>THE HAGUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                | Date of completion of the search<br>18 August 2003 | Examiner<br>Whelan, N                        |
| <p>CATEGORY OF CITED DOCUMENTS</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/>.....<br/>&amp; : member of the same patent family, corresponding document</p> |                                                                                                                                                                                |                                                    |                                              |

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 07 8432

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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18-08-2003

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