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(54) Latent image receiving sheet and microcapsules for use therein

(57) A latent image receiving sheet comprises a substrate bearing microcapsules having walls of a nonmeltable polymer which is a thermosetting aminoplast resin. The walls of the microcapsules have an elongation less than 1%, and the image receiving sheet and microcapsules are resistant to heat. Surprisingly, the latent image receiving sheet capsules nonetheless rupture upon application to the record material of a point source energy input or pulse comprising a ΔT of at least 115°C per one millisecond. The latent image receiving sheet may be an ink transfer sheet or print plate, a gravure sheet, a cryptic message receiving sheet or an imageable sheet.

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EUROPEAN SEARCH REPORT

Application Number
EP 93 30 7060

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)
X	US-A-4 682 194 (USAMI TOSHIMASA ET AL) 21 July 1987 * the whole document * ---	1-13	B41M5/28 G03F7/00
X	US-A-4 873 168 (RUDER DONNA L ET AL) 10 October 1989 * the whole document * ---	1-13	
A	EP-A-0 109 838 (FUJI PHOTO FILM CO LTD) 30 May 1984 * the whole document * -----	1-13	

TECHNICAL FIELDS SEARCHED (Int.Cl.5)

B41M
G03F

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	5 February 1996	Rasschaert, A

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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E : earlier patent document, but published on, or after the filing date
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