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(54) Title: APPLYING IMPRINTING MATERIAL TO SUBSTRATES EMPLOYING ELECTROMAGNETIC FIELDS


(57) Abstract: The present invention comprises a method for applying a liquid, such as imprinting material, to a substrate that features use of an electromagnetic field to rapidly spread the liquid over a desired portion of the substrate, while confining the same to the desired region.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/34465

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : B05D 1/04; B29D 35/08 US CL : 427/458,466; 430/8; 101/93.01, 494 According to International Patent Classification (IPC) or to both national classification and IPC																			
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 427/458,466; 430/8; 101/93.01, 494 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet																			
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Category *</th> <th style="width: 70%;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="width: 20%;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td>US 3,757,846 A (HERMAN et al.) 11 September 1973 (11.09.1973)</td> <td style="text-align: center;">1-10</td> </tr> <tr> <td style="text-align: center;">A</td> <td>US 4,512,386 A (HALLER et al.) 23 April 1985 (23.04.1985)</td> <td style="text-align: center;">1-10</td> </tr> <tr> <td style="text-align: center;">A</td> <td>US 4,982,796 A (LARI et al.) 08 January 1991 (01.08.1991)</td> <td style="text-align: center;">1-10</td> </tr> <tr> <td style="text-align: center;">A</td> <td>US 2001/0026714 A1 (UEZONO et al.) 04 October 2001 (04.10.2001)</td> <td style="text-align: center;">1-10</td> </tr> <tr> <td style="text-align: center;">A, P</td> <td>US 2003/0215577 A1 (WILLSON et al.) 20 November 2003 (20.11.2003)</td> <td style="text-align: center;">1-10</td> </tr> </tbody> </table>		Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	A	US 3,757,846 A (HERMAN et al.) 11 September 1973 (11.09.1973)	1-10	A	US 4,512,386 A (HALLER et al.) 23 April 1985 (23.04.1985)	1-10	A	US 4,982,796 A (LARI et al.) 08 January 1991 (01.08.1991)	1-10	A	US 2001/0026714 A1 (UEZONO et al.) 04 October 2001 (04.10.2001)	1-10	A, P	US 2003/0215577 A1 (WILLSON et al.) 20 November 2003 (20.11.2003)	1-10
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																			
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;">                 * Special categories of cited documents:                  "A" document defining the general state of the art which is not considered to be of particular relevance                  "E" earlier application or patent published on or after the international filing date                  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)                  "O" document referring to an oral disclosure, use, exhibition or other means                  "P" document published prior to the international filing date but later than the priority date claimed             </td> <td style="width: 50%; vertical-align: top;">                 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention                  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone                  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art                  "&amp;" document member of the same patent family             </td> </tr> </table>		* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family																
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer Allan Olsen Telephone No. 571-272-1700 																		

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Continuation of B. FIELDS SEARCHED Item 3:  
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molding, imprint lithography micro contact printing, electromagnetic field, confine, template