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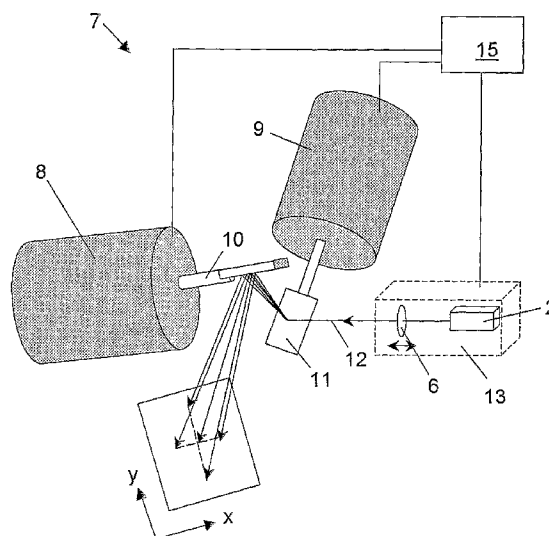
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(54) Title: MULTI-COLOUR PRINTING



(57) Abstract: A substrate-marking system comprises a substrate-marking apparatus and a substrate. The substrate includes an additive susceptible to changing colour to one of at least two selectable colours upon irradiation, each selectable colour being different from the colour, if any, of the additive prior to irradiation. The apparatus comprises a laser diode for emitting a beam of laser light and means for aligning a desired point on the substrate with the laser beam. In use, the laser beam irradiates the desired point thus causing the additive to change colour at the point. The apparatus further comprises means for controlling a fluence level of the laser beam at the point such that, in use, the resultant colour of the additive can be selected from the selectable colours.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
B41M

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 practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 6 633 319 B1 (YAMAKAWA EIJI ET AL) 14 October 2003 (2003-10-14) column 2, lines 46-51 column 5, line 51 - column 6, line 56 column 10, lines 41-51 column 23, lines 9-31 figures 1,16	1-27, 35-37 28-34
Y	US 2001/016297 A1 (OBAYASHI TATSUHIKO ET AL) 23 August 2001 (2001-08-23) paragraphs [0010], [0012], [0024], [0043], [0081], [0126], [0129], [0130]	28-31
Y	US 4 917 939 A (MATSUDA ET AL) 17 April 1990 (1990-04-17) column 1, line 51 - column 2, line 6 column 5, lines 16-45	32-34
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004/176617 A1 (CHEON KAP-SOO ET AL) 9 September 2004 (2004-09-09) paragraphs [0008], [0037], [0038], [0050], [0051] -----	29
A	US 3 843 384 A (ADACHI K,JA ET AL) 22 October 1974 (1974-10-22) column 2, lines 25-35 example 10 -----	30,31

INTERNATIONAL SEARCH REPORT

Information on patent family members

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