

Title (en)  
INK CROSS-LINKING BY UV RADIATION

Title (de)  
VERFAHREN ZUM HÄRTEN VON FARBEN MITTELS UV-LICHT

Title (fr)  
RETICULATION D'ENCRE U.V.

Publication  
**EP 0993378 B1 20010926 (FR)**

Application  
**EP 98932230 A 19980618**

Priority  
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Abstract (en)  
[origin: EP1162079A2] The ink drop fixing method has a preliminary stage of applying an ultraviolet beam (32) concentrated on the ink drops (31) on the surface, avoiding exposure of the plastic support (30) for the printing. The ink drops are deposited point-by-point on the surface. The ink is made of a material that is polymerisable under ultra-violet radiation. The ultra-violet radiation is provided by an ultra-violet laser (43), which is swept point-by-point across the printed surface. The ultra-violet beam is directed by an optic fibre (71) of a network (70) of optic fibres. The beam is interrupted when it is directed toward the un-inked surface.

IPC 1-7  
**B41M 7/00**

IPC 8 full level  
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CPC (source: EP US)  
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Cited by  
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**US 6562413 B1 20030513**; AT E206090 T1 20011015; AT E321671 T1 20060415; CA 2293551 A1 19981230; CA 2293551 C 20051108; CN 1178799 C 20041208; CN 1260753 A 20000719; DE 69801823 D1 20011031; DE 69801823 T2 20020613; DE 69833974 D1 20060518; DE 69833974 T2 20070111; EP 0993378 A1 20000419; EP 0993378 B1 20010926; EP 1162079 A2 20011212; EP 1162079 A3 20021113; EP 1162079 B1 20060329; ES 2165688 T3 20020316; ES 2262582 T3 20061201; FR 2764844 A1 19981224; FR 2764844 B1 19990806; JP 2002504873 A 20020212; JP 4125796 B2 20080730; WO 9858806 A1 19981230

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