

Title (en)
Printing method and offset printer

Title (de)
Druckverfahren und Offset-Druckwerk

Title (fr)
Procédé d'impression et élément d'impression offset

Publication
EP 2527148 A3 20130123 (DE)

Application
EP 12165667 A 20120426

Priority
• DE 102011102382 A 20110525
• DE 102011112487 A 20110905

Abstract (en)
[origin: EP2527148A2] The method involves zonally metering printing ink (7) at viscosity by an ink zone metering device (6) of a printing machine (1) i.e. sheet-fed printing machine, and transferring the printing ink at another viscosity by a printing form cylinder (11), where the latter viscosity is greater than the former viscosity by a factor of 10. The ink is heated by a heating device (19) of an ink fountain roller (8) and subjected to ultrasound treatment. Droplets of water or dampening fluid are added to the ink. The ink is subjected to mechanical stress by kneading or shearing. An independent claim is also included for an offset printing unit.

IPC 8 full level
B41F 31/00 (2006.01); **B41M 1/00** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [X] DE 10119735 A1 20011122 - HEIDELBERGER DRUCKMASCH AG [DE]
• [X] EP 0652104 A1 19950510 - ROLAND MAN DRUCKMASCH [DE]
• [A] DE 19716261 A1 19981022 - PMD TEXTIL UND TRANSFERDRUCK G [DE]
• [XDY] DE 102006061393 A1 20080626 - KOENIG & BAUER AG [DE]
• [Y] EP 1262321 A2 20021204 - TOYO SEIKAN KAISHA LTD [JP]
• [A] EP 0951995 A1 19991027 - ROLAND MAN DRUCKMASCH [DE]
• [A] EP 0941847 A1 19990915 - HEIDELBERGER DRUCKMASCH AG [DE]
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