

Title (en)
PRINTING PROCESS

Title (de)
DRUCKVERFAHREN

Title (fr)
PROCEDE D'IMPRESSION

Publication
EP 0790893 A1 19970827 (DE)

Application
EP 95935809 A 19951021

Priority
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• DE 4439007 A 19941102

Abstract (en)
[origin: WO9614211A1] It is proposed that the known heat-set printing process for planographic and relief printing should be improved by the use of a short ink mechanism with an engraved roller and ink-scraping device and a printing ink which is solid at room temperature and can be liquefied by heating, and by ensuring that the ink-scraping unit and ink-conducting components of the printing system are set to a temperature above the liquefaction temperature of the printing ink. This prevents the production of waste gas and eliminates the danger of harmful and/or explosive vapour/air mixtures; obviates the need for facilities for drying the ink and processing the waste gases; and reduces energy consumption and the emission of carbon dioxide, heat and combustion by-products.

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