Title (en)
   Printing process and device

Title (de)
   Druckverfahren und Vorrichtung

Title (fr)
   Méthode d'impression et dispositif

Publication
   EP 1260360 A3 20040107 (DE)

Application
   EP 02010121 A 20020510

Priority
   DE 10125545 A 20010523

Abstract (en)
   [origin: EP1260360A2] For printing, a plate surface is prepared with zones which accept and reject ink. The inking zones have set ink acceptance
   characteristics. The ink is applied to the surface as particles, where the ink molecules and/or pigments are structured to match the characteristics
   of the ink acceptors and cling to them. The ink is transferred from their zones to the surface to be printed, giving the required printing. The ink
   acceptance zones are formed by electromagnetic rays and especially by a laser or an ultra violet mask, or other light source with a short wavelength.
   Or a layer on the printing plate (20) is removed where ink is to be accepted. The zones are indexed (42-45) to attract and hold the ink colors
   (42'-45').

IPC 1-7
   B41M 1/20; B41C 1/12; B41C 1/10

IPC 8 full level
   B41C 1/055 (2006.01); **B41C 1/10** (2006.01); **B41M 1/06** (2006.01); **B41M 1/20** (2006.01); **B41N 1/14** (2006.01)

CPC (source: EP US)
   B41C 1/10 (2013.01 - EP US)

Citation (search report)
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   CN 1256238 C 20060517; CN 1386643 A 20021225; CZ 20021406 A3 20030115; DE 10125545 A1 20021128; DE 50214277 D1 20100429;
   HK 1051991 A1 20030829; IL 149766 A0 20021110; JP 2003054148 A 20030226; US 2002176940 A1 20021128; US 6935235 B2 20050830

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   DE 10125545 A 20010523; DE 50214277 T 20020510; HK 03104306 A 20030617; IL 14976602 A 20020520; JP 2002145663 A 20020521;
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