

Title (en)  
METHOD FOR INSERTING IMAGES ON PRINTING PLATES

Title (de)  
VERFAHREN ZUR BEBILDERUNG VON DRUCKPLATTEN

Title (fr)  
PROCEDE DE FORMATION D'IMAGES DE PLAQUES OFFSET

Publication  
**EP 1274582 A1 20030115 (DE)**

Application  
**EP 01919146 A 20010222**

Priority  
• DE 0100697 W 20010222  
• DE 10018547 A 20000414

Abstract (en)  
[origin: WO0178984A1] The invention concerns a method for inserting images on printing plates, wherein a printing plate is prepared with an ink-accepting layer and an ink-repelling layer applied thereon. According to the invention, a developing fluid is sprayed on the ink-repelling layer by an ink-jet printing group in accordance with an image to be printed, by means of which the ink-repelling layer is etched or dissolved in the sprayed areas for swelling or adhesion promotion is eliminated. The etched or dissolved areas of the ink-repelling layer are removed. A waterless printing plate having an ink-repelling layer made of silicon is especially used.

IPC 1-7  
**B41C 1/10**

IPC 8 full level  
**B41J 2/01** (2006.01); **B41C 1/10** (2006.01); **B41N 1/14** (2006.01)

CPC (source: EP US)  
**B41C 1/1066** (2013.01 - EP US); **B41C 1/1008** (2013.01 - EP US); **B41C 2210/16** (2016.11 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0178984 A1 20011025**; AT E252454 T1 20031115; AU 4636001 A 20011030; CN 1218837 C 20050914; CN 1422212 A 20030604; DE 10018547 A1 20011025; DE 10018547 C2 20031120; DE 50100838 D1 20031127; EP 1274582 A1 20030115; EP 1274582 B1 20031022; JP 2003531029 A 20031021; RU 2241601 C2 20041210; US 2003085972 A1 20030508; US 6918663 B2 20050719

DOCDB simple family (application)  
**DE 0100697 W 20010222**; AT 01919146 T 20010222; AU 4636001 A 20010222; CN 01807857 A 20010222; DE 10018547 A 20000414; DE 50100838 T 20010222; EP 01919146 A 20010222; JP 2001576268 A 20010222; RU 2002130571 A 20010222; US 24073602 A 20021010