

Title (en)
PRINTING DEVICE OR PRINTING METHOD

Title (de)
DRUCKVORRICHTUNG BZW. DRUCKVERFAHREN

Title (fr)
DISPOSITIF ET PROCEDE D'IMPRESSION

Publication
EP 1210230 B1 20031015 (DE)

Application
EP 00956429 A 20000811

Priority
• DE 19938447 A 19990813
• EP 0007819 W 20000811

Abstract (en)
[origin: US6745684B1] A printing method using at least one transfer roller, whose roller surface is charged with a coating material, for example a toner. The coating material is directly or indirectly transferred from the transfer roller to a support surface of a transfer element, before being transferred at least partially from the transfer element to a workpiece to be coated. According to this invention, the transfer element has a stretching element which forms the support surface and the support surface is stretched in the direction of the surface by a stretching device. This ensures that this method can also be used to easily coat 3-dimensional surfaces which are curved in space.

IPC 1-7
B41M 1/40; B41M 1/34

IPC 8 full level
B41F 15/08 (2006.01); **B41M 1/34** (2006.01); **B41M 1/40** (2006.01); **B41M 5/03** (2006.01)

CPC (source: EP US)
B41F 15/0895 (2013.01 - EP US); **B41M 1/40** (2013.01 - EP US); **G03G 15/16** (2013.01 - US); **B41M 5/03** (2013.01 - EP US); **B41P 2200/41** (2013.01 - EP US); **Y10S 101/37** (2013.01 - 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

DOCDB simple family (publication)
US 6745684 B1 20040608; AT E251993 T1 20031115; AU 6837500 A 20010313; CA 2381577 A1 20010222; DE 19938447 A1 20010301; DE 19938447 B4 20050811; DE 50004098 D1 20031120; EP 1210230 A1 20020605; EP 1210230 B1 20031015; ES 2208411 T3 20040616; WO 0112445 A1 20010222

DOCDB simple family (application)
US 4948902 A 20020717; AT 00956429 T 20000811; AU 6837500 A 20000811; CA 2381577 A 20000811; DE 19938447 A 19990813; DE 50004098 T 20000811; EP 0007819 W 20000811; EP 00956429 A 20000811; ES 00956429 T 20000811