

Title (en)  
PROCESS FOR PRODUCING PRINT ROLLS MADE OF A METALLIC CORE CYLINDER AND A PLASMA-SPRAYED COPPER OR COPPER ALLOY COATING

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON DRUCKWALZEN AUS EINEM METALLISCHEN KERNZYLINDER UND EINER PLASMAGESPRITZTEN KUPFER- ODER KUPFERLEGIERUNGSAUFLAGE

Title (fr)  
PROCEDE DE FABRICATION DE CYLINDRES D'IMPRESSION A PARTIR D'UN NOYAU CYLINDRIQUE METALLIQUE ET UN REVETEMENT EN CUIVRE OU EN UN ALLIAGE DE CUIVRE PROJETE AU PLASMA

Publication  
**EP 0700340 B1 19970813 (DE)**

Application  
**EP 94915549 A 19940427**

Priority

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Abstract (en)  
[origin: WO9426534A1] A process is disclosed for producing print rolls made of a metallic core cylinder and a plasma-sprayed copper or copper alloy coating which may be easily shaped by mechanical means into an only slightly rough, homogeneous closed surface into which high quality engravings may be incorporated. The process is characterised in that finely ground copper or a copper alloy powder with particles having a mean diameter of 12  $\mu$  m or less is applied by plasma spraying on the surface of the roll by means of a low power plasma torch, without oxidized intermediate layers.

IPC 1-7  
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IPC 8 full level  
**B41C 1/18** (2006.01); **B41N 1/20** (2006.01); **C23C 4/02** (2006.01); **C23C 4/08** (2016.01); **C23C 4/134** (2016.01); **C23C 4/14** (2016.01)

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