

Title (en)  
PRINTING UNIT FOR A ROTARY OFFSET-PRINTING PRESS

Publication  
**EP 0183984 B1 19890405 (DE)**

Application  
**EP 85113767 A 19851029**

Priority  
DE 8434353 U 19841123

Abstract (en)  
[origin: US4643095A] A printing unit cylinder of a given diameter for offset rotary printing machines having a galvanically applied wear and corrosion-resistant jacket surface coating, comprising a cylinder body formed with a cylinder channel and having a transitional surface from a cylindrical jacket surface thereof to the cylinder channel, the cylindrical jacket surface and the transitional surface having a sand-blasted surface roughness of 10 to 20 microns, a nickel undercoating having a hardness of 180 to 220 Vickers hardness disposed on the cylindrical jacket surface and the transitional surface; and a chromium layer disposed on the undercoating and having a hardness of greater than 900 Vickers hardness and a microcracked surface of greater than 400 cracks per cm<sup>2</sup>, the cylinder body having a diameter less than the given diameter of the printing unit cylinder by a thickness corresponding to the superimposed thicknesses of the nickel chromium and the chromium layer.

IPC 1-7  
**B41F 13/08**; B41F 13/00; B41N 7/00

IPC 8 full level  
**B41N 1/20** (2006.01); **B41F 13/08** (2006.01)

CPC (source: EP US)  
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