

Title (en)

PRINTING UNIT FOR A ROTARY OFFSET-PRINTING PRESS

Publication

**EP 0183984 A3 19871021 (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)

**B41F 13/08** (2013.01 - EP US)

Citation (search report)

- [X] EP 0017776 A1 19801029 - HEIDELBERGER DRUCKMASCH AG [DE]
- [A] DE 3023246 A1 19810108 - POLYGRAPH LEIPZIG
- [A] DE 2602277 A1 19760729 - ADAMOVSKE STROJIRNY NP

Cited by

DE10355005B4; EP0373481A3; DE10349446A1; DE10349446B4; DE10349447A1; DE10349447B4

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**EP 0183984 A2 19860611**; **EP 0183984 A3 19871021**; **EP 0183984 B1 19890405**; DE 8434353 U1 19850221; JP 2545646 Y2 19970825; JP S6193235 U 19860616; US 4643095 A 19870217

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**EP 85113767 A 19851029**; DE 8434353 U 19841123; JP 17694185 U 19851119; US 80147685 A 19851125