

Title (en)  
Lithographic printing machine.

Title (de)  
Lithographische Druckmaschine.

Title (fr)  
Machine d'impression lithographique.

Publication  
**EP 0421145 B1 19931208 (DE)**

Application  
**EP 90117234 A 19900907**

Priority  
US 41758789 A 19891005

Abstract (en)  
[origin: EP0421145A2] An improved printing machine comprises a tubular rubber blanket, which is mounted removably on a blanket cylinder, has a continuous gap-free outer surface and is in rolling-off contact with a printing plate on a plate cylinder. The rubber blanket consists at least partially of a compressible material which is compressed by the plate cylinder at a gap between the plate cylinder and the blanket cylinder. The outer surface of the rubber blanket has a circumferential speed which is the same at points immediately before the gap, at the gap and immediately after the gap in order to prevent smearing of the printed image at the gap. The rubber blanket can comprise an outer layer of non-compressible material and an inner layer of compressible material. The outer layer of the rubber blanket is deformable in order to compress the inner layer of the rubber blanket. The inner layer of the rubber blanket contains a multiplicity of air bubbles which are relatively large prior to deformation of the outer layer of the rubber blanket by the printing plate on the plate cylinder and are relatively small in a partial region of the inner layer of the rubber blanket which is then compressed by deformation of the outer layer of the rubber blanket. The rubber blanket has an inner metal bush which is tensioned by the blanket cylinder in order to retain the rubber blanket on the blanket cylinder by this means.

IPC 1-7  
**B41N 10/00**

IPC 8 full level  
**B41F 30/00** (2006.01); **B41F 7/02** (2006.01); **B41F 13/08** (2006.01); **B41F 13/24** (2006.01); **B41F 27/00** (2006.01); **B41F 30/04** (2006.01); **B41N 10/00** (2006.01); **B41N 10/04** (2006.01)

CPC (source: EP)  
**B41F 27/00** (2013.01); **B41F 30/04** (2013.01); **B41N 6/00** (2013.01); **B41N 10/00** (2013.01)

Cited by  
EP0514344A1; US5654100A; US5974973A; US6080258A; EP0581019A1; DE4320923B4; GB2390059A; GB2390059B; EP0974459A1; FR2793440A1; US5535674A; EP0697284A3; EP0715966A1; GB2273464A; FR2699110A1; US5784957A; DE4307320C1; DE4320924A1; EP0581018A1; DE4320924C2; DE4307320C2; JPH06297687A; US7013805B2; US6640705B1; WO0238971A1; FR2841496A1; US6799512B2; EP0571909A2; EP0631884B1; EP0699524B2; EP0727326B2

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CH DE ES FR GB IT LI NL SE

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