

Title (en)  
INKING UNIT

Publication  
**EP 0064270 B1 19841219 (DE)**

Application  
**EP 82103608 A 19820428**

Priority  
DE 3117341 A 19810502

Abstract (en)  
[origin: US4428291A] For producing quality work on a printing machine using a hard printing plate and high viscosity printing ink taken up by a fountain roller running in an ink fountain and transported by the fountain roller to an ink drum running against at least one form roller for inking the plate, while nevertheless keeping the inking system design simple, the inking unit has a single form roller having a diameter equal to that of the working diameter of the plate and designed to be run at the same surface speed as the plate: the drum for inking the form roller has a screen on its outer face made up of ink takeup pockets separated by lands, the ink drum having a smaller diameter than the form roller and being turned by a driving system of the press. The outer face of the ink drum with the screen is stripped by a stripping unit, such as doctor plate, running on and clearing the lands between the ink takeup pocket. Furthermore the fountain roller is run with a speed different to that of the screened ink drum.

IPC 1-7  
**B41F 31/10; B41F 31/20**

IPC 8 full level  
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CPC (source: EP US)  
**B41F 31/06** (2013.01 - EP US); **B41F 31/20** (2013.01 - EP US); **B41N 7/06** (2013.01 - EP US); **B41N 2207/02** (2013.01 - EP US)

Cited by  
EP0327832A3; CN103522746A; EP0182326A3; EP2062729A1; DE19625362A1; EP0182325A3; EP0355608A3; US5097762A; EP0225253A1; FR2590205A1; EP0324140A3; EP2427734A4; AT378151B; US9833989B2; EP0159474B1; WO8701308A1; WO2016008700A1

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