

Title (en)  
Printing press

Title (de)  
Druckmaschine

Title (fr)  
Presse d' impression

Publication  
**EP 2251196 A3 20110525 (DE)**

Application  
**EP 10005012 A 20100512**

Priority  
DE 102009021515 A 20090515

Abstract (en)  
[origin: EP2251196A2] The press has a format balancing roller (18) arranged between a vacuum draw-out roller (48) of two printing units (12, 14) and a vacuum draw-in roller (46) of one of the printing units (14) and a third printing roller (16) in a loop of a material web (10). The web is wound around the balancing roller. The balancing roller is controllably and automatically displaced at a distance from the draw-in and draw-out rollers. A chamber for air staying under high pressure is provided in an interior of the balancing roller and communicates with the atmosphere via a microporous, air-permeable surface.

IPC 8 full level  
**B41F 7/04** (2006.01); **B41F 13/02** (2006.01); **B41F 13/04** (2006.01); **B65H 23/00** (2006.01)

CPC (source: EP)  
**B41F 13/025** (2013.01); **B41F 13/04** (2013.01); **B65H 23/048** (2013.01); **B65H 23/1888** (2013.01); **B41P 2217/11** (2013.01); **B65H 2401/242** (2013.01); **B65H 2403/52** (2013.01); **B65H 2406/1131** (2013.01); **B65H 2406/33** (2013.01); **B65H 2801/21** (2013.01)

Citation (search report)  
• [YD] EP 0415881 A2 19910306 - DE LA RUE GIORI SA [CH]  
• [YDA] DE 10307089 A1 20040513 - KOENIG & BAUER AG [DE]  
• [YD] EP 1935642 A1 20080625 - ROTATEK S A [ES]  
• [A] EP 1457324 A1 20040915 - KAMMANN MASCHF WERNER [DE]  
• [A] EP 1479821 A2 20041124 - VOITH PAPER PATENT GMBH [DE]  
• [A] DE 202004021518 U1 20080904 - KOENIG & BAUER AG [DE]

Cited by  
EP3711952A1; JP2020146941A; CN111688352A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2251196 A2 20101117; EP 2251196 A3 20110525; DE 102009021515 A1 20101125**

DOCDB simple family (application)  
**EP 10005012 A 20100512; DE 102009021515 A 20090515**