

Title (en)  
PRINTING MACHINE

Title (de)  
DRUCKMASCHINE

Title (fr)  
MACHINE D'IMPRESSION

Publication  
**EP 4201677 A1 20230628 (EN)**

Application  
**EP 21216728 A 20211222**

Priority  
EP 21216728 A 20211222

Abstract (en)  
A printing machine (10), especially a flexographic printing machine, is described. The printing machine (10) comprises at least two machine parts (P) being movable with respect to each other. Moreover, a reference position detection unit (48, 54) is provided which comprises a magnetic element (50, 56, 60) and a magnetic detector (52, 58) being configured for detecting a characteristic of a magnetic field being generated by the magnetic element (50, 56, 60). One of the magnetic element (50, 56, 60) and the magnetic detector (52, 58) is arranged on one of the machine parts (P) and the respective other one of the magnetic element (50, 56, 60) and the magnetic detector (52, 58) is arranged on the respective other one of the machine parts (P), such that a reference position of one of the machine parts (P) with respect to the other one of the machine parts (P) is detectable in that the magnetic detector (52, 58) detects a characteristic of the magnetic field being generated by the magnetic element (50, 56, 60).

IPC 8 full level  
**B41F 5/24** (2006.01); **B41F 13/14** (2006.01); **B41F 13/20** (2006.01); **B41F 13/30** (2006.01); **B41F 13/38** (2006.01)

CPC (source: EP)  
**B41F 5/24** (2013.01); **B41F 13/14** (2013.01); **B41F 13/20** (2013.01); **B41F 13/30** (2013.01); **B41F 13/38** (2013.01); **B41P 2213/90** (2013.01)

Citation (search report)  
• [X1] WO 2008049501 A2 20080502 - FISCHER & KRECKE GMBH & CO KG [DE], et al  
• [X1] DE 102014215648 A1 20160211 - ALLSTEIN GMBH [DE]  
• [X1] EP 3251853 A1 20171206 - SOMA SPOL S R O [CZ]  
• [X1] DE 102014226766 A1 20160623 - WINDMOELLER & HOELSCHER [DE]  
• [X1] DE 10320205 A1 20041209 - WINDMOELLER & HOELSCHER [DE]

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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

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