

Title (en)

Rotary screen printing machine for sheet printing

Title (de)

Rotations-Siebdruckmaschine für den Bogendruck

Title (fr)

Machine rotative de sérigraphie pour l'impression de feuilles

Publication

EP 0723864 A1 19960731 (DE)

Application

EP 96810043 A 19960123

Priority

CH 19295 A 19950124

Abstract (en)

The printing cylinder (2) has at least one groove and, with the form cylinder (1), forms the printing gap. A radially adjustable wiper (6) is installed near the printing gap. The printing cylinder in each groove has sheet grippers (5). The adjustable wiper has a control mechanism (7-9) so that the wiper is pressed against the inside of the screen printing stencil (3) during the printing process. The control mechanism has a pivot mounted lever (7) on one end of which the wiper is mounted and which is guided by a radial cam (8). The wiper is mechanically re-tensioned towards the stencil preferably by an adjusting cylinder (9).

Abstract (de)

Die Rotations-Siebdruckmaschine hat einen Formzylinder (1), der eine Siebdruckschablone (3) trägt, und einen Druckzylinder (2), der wenigstens eine Zylindergrube (4) aufweist, in welcher Bogengreifer (5) installiert sind. In ihrer Schliessstellung überragen die Bogengreifer (5) nicht die druckende Oberfläche des Druckzylinders (2). Im Innern des Formzylinders (1) ist eine verstellbare Rakel (6) angeordnet, die durch einen Stellmechanismus (7, 8, 9) derart steuerbar ist, dass die Rakel (6) während eines Druckvorgangs gegen die Innenseite der Siebdruckschablone (3) gedrückt wird, jedoch von dieser Siebdruckschablone abgehoben wird, wenn der offene Bereich einer Zylindergrube (4) des Druckzylinders (2) den Formzylinder (1) passiert. <IMAGE>

IPC 1-7

B41F 15/08

IPC 8 full level

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CPC (source: EP US)

B41F 15/0809 (2013.01 - EP US)

Citation (applicant)

DE 3903721 A1 19890817 - RISO KAGAKU CORP [JP]

Citation (search report)

- [A] EP 0340342 A2 19891108 - SAKURA SEIKI CO LTD [JP]
- [A] EP 0555073 A1 19930811 - RISO KAGAKU CORP [JP]
- [A] EP 0095819 A2 19831207 - STORK BRABANT BV [NL]
- [DA] DE 3903721 A1 19890817 - RISO KAGAKU CORP [JP]

Cited by

DE102014226869A1; DE102015208921A1; DE102016206840B4; DE102015208919A1; DE102015208915B4; DE102015208916A1; DE102015208918A1; WO2016102187A1; WO2016180616A1; US6681690B2; DE102014226869B4; DE10025994C1; EP2014466A3; DE19949099C2; DE10026000C2; DE102019216458A1; CN112706506A; EP1946925A3; EP1125733A1; US6109172A; US5960716A; DE10025995C1; EP2835258A3; EP3132935A3; EP2002977A3; DE102009030400A1; CN108025547A; US8390897B2; DE102009017686A1; WO9919146A1; WO0154907A1; WO9734767A1; WO2016026896A1; US11065866B2; US6779445B2; US6655270B2; US8720334B2; US8893614B2; WO2016150866A1; WO2015107488A1; US10350840B2; WO0154904A1; WO0126904A1; WO9833649A1; US10144209B2; US10220606B2; US10265944B2; EP1440802A2; WO2015022612A1; US10654256B2; WO2016030819A1; US9327491B2; US10279582B2; EP2637396A1; WO2013132448A1; WO2018141547A1; US10489522B2; US11110487B2; DE102015208921B4; US10427398B2; WO2022189098A1; EP3812155A1; WO2022189100A1; US11559978B2; US11712884B2; US11975527B2; US6412407B1; EP2221177A1; DE102009037332A1; WO2011018243A1; US8499687B2; US8714083B2; US8813644B2; DE102016206840A1; WO2016038572A1; WO2016180617A1; US10434807B2; DE102015208916B4; WO2022189099A1; US11926142B2; EP2433798A1; EP2845732A2; DE102015208915A1; WO2016180615A1; EP3366475A1; EP3366474A1; WO2018153840A1; WO2018153839A1; EP3401114A1; WO2018206180A1; US10889140B2; US11383507B2; US11772374B2; EP1867477B2

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