

Title (en)

Silk-screen printing machine with automatic suction device for the removal of ink residue.

Title (de)

Siebdruckmaschine mit automatischer Saugvorrichtung zum Entfernen von Farbrückständen.

Title (fr)

Machine à imprimer sérigraphique avec dispositif automatique à succion pour l'enlèvement de l'encre résiduelle.

Publication

**EP 0642923 A1 19950315 (EN)**

Application

**EP 94202586 A 19940908**

Priority

IT MI931985 A 19930914

Abstract (en)

A machine for the silk-screen printing of flat sheets of glass or the like comprising a supporting structure (1) capable of moving parallel to the printing plane of a frame (3) and equipped with a spreading squeegee (8) and a printing doctor (7), both capable of moving in a direction perpendicular to the plane of frame (3) and independently of one another, comprising a device with automatic action for the removal of ink residue from such screen frame (3) and consisting of at least one suction unit (10) capable of moving in a perpendicular direction with respect to such screen frame (3) simultaneously with such spreading squeegee (8), suction nozzle (14) of such unit being connected to a suction header (15) and positioned between such doctor (7) and squeegee (8), according to the direction of travel thereof, so as to make possible the continuous suction of the ink residue and of any impurities liable to clog the screen during any spreading movement. <IMAGE>

IPC 1-7

**B41F 35/00**; **B41F 15/08**

IPC 8 full level

**B41F 15/08** (2006.01); **B41F 35/00** (2006.01)

CPC (source: EP)

**B41F 15/0818** (2013.01); **B41F 35/005** (2013.01); **B41P 2235/31** (2013.01)

Citation (search report)

- [Y] FR 2517254 A1 19830603 - PPG INDUSTRIES INC [US]
- [Y] FR 736897 A 19321130
- [Y] US 5197384 A 19930330 - YAWATA SATOSHI [JP], et al
- [A] EP 0511883 A1 19921104 - SAINT GOBAIN VITRAGE [FR], et al
- [A] US 3302564 A 19670207 - ERNEST WILFORD
- [A] EP 0152156 A2 19850821 - TOSHIN KOGYO CO [JP]

Cited by

CN106079856A; CN112695347A; CN111942001A; EP0699526A1; EP0838979A1; US5976269A; CN110843323A; ES2156495A1; EP0901904A1; ITUD20090153A1; JP2021062518A; CN117549663A; JP2016196101A; US6186063B1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL PT SE

DOCDB simple family (publication)

**EP 0642923 A1 19950315**; **EP 0642923 B1 19990519**; AT E180212 T1 19990615; DE 69418552 D1 19990624; DE 69418552 T2 19990916; ES 2131154 T3 19990716; IT 1272629 B 19970626; IT MI931985 A0 19930914; IT MI931985 A1 19950314

DOCDB simple family (application)

**EP 94202586 A 19940908**; AT 94202586 T 19940908; DE 69418552 T 19940908; ES 94202586 T 19940908; IT MI931985 A 19930914