

Title (en)

Sheet feeding mechanism having dust preventing means and method for cleaning the sheet feeding mechanism.

Title (de)

Vorrichtung zum Zuführen von Bögen mit Anlage zum Vermeiden von Staub und Verfahren zum Reinigen der Bogenzuführvorrichtung.

Title (fr)

Dispositif d'alimentation de feuilles avec moyen pour éviter la poussière et procédé pour nettoyer le dispositif d'alimentation.

Publication

**EP 0381382 A2 19900808 (EN)**

Application

**EP 90300808 A 19900125**

Priority

- JP 980289 U 19890130
- JP 5040389 U 19890428
- JP 5040489 U 19890428

Abstract (en)

A sheet feeding mechanism having dust preventing means. The sheet feeding mechanism includes a suction cup (31) contactable with a sheet, evacuating means (55) for generating negative pressure within the suction cups and tube means (54) connected between the evacuating means and the suction cups. The dust preventing means includes a filter member (73) disposed within the tube means. The evacuating means includes a cylinder (56) and a piston (58). The cylinder extends in vertical direction or in horizontal direction. In the latter case, one side end of the cylinder is connected to the tube means and another side end is closed for preventing dusts from being entered therein, and the cylinder wall is formed with a small bore at lower portion thereof and adjacent the other side. For cleaning the sheet feeding mechanism, positive air stream is generated within the mechanism during idling state thereof.

IPC 1-7

**B65H 3/08**

IPC 8 full level

**B65H 3/08** (2006.01)

CPC (source: EP)

**B65H 3/0816** (2013.01)

Cited by

CN113148644A; CN109650116A; FR2793782A1; US5630582A; EP0778233A1; US6431539B2; WO0104033A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0381382 A2 19900808; EP 0381382 A3 19910206**

DOCDB simple family (application)

**EP 90300808 A 19900125**