

Title (en)

Device for preventing damages of a printing unit

Title (de)

Vorrichtung zur Verhinderung von Druckwerksbeschädigungen

Title (fr)

Dispositif pour éviter des détériorations d'un élément d'impression

Publication

EP 0895860 B1 20021023 (DE)

Application

EP 98113629 A 19980722

Priority

DE 19734137 A 19970807

Abstract (en)

[origin: EP0895860A2] Optical sensors (7a, 7b) are positioned before the first printing unit (1) of the printing machine and output a signal dependent on the shadowing of the web (3). Their optical axis (a) is tilted in relation to the plane of transport of the web in the perpendicular direction of the deflection force which can be produced by a deflection device (8), e.g. blast nozzles. The detection system is preferably positioned near the roll changer (4).

IPC 1-7

B41F 33/18; **B65H 26/02**

IPC 8 full level

B41F 33/00 (2006.01); **B41F 33/14** (2006.01); **B41F 33/18** (2006.01); **B65H 23/032** (2006.01); **B65H 26/02** (2006.01)

CPC (source: EP US)

B41F 33/18 (2013.01 - EP US); **B65H 26/025** (2013.01 - EP US); **B65H 2406/12** (2013.01 - EP US); **B65H 2553/41** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0895860 A2 19990210; **EP 0895860 A3 19990616**; **EP 0895860 B1 20021023**; CN 1089688 C 20020828; CN 1210072 A 19990310; DE 19734137 A1 19990218; DE 19734137 C2 20010712; DE 59806021 D1 20021128; JP H11115161 A 19990427; US 5947024 A 19990907

DOCDB simple family (application)

EP 98113629 A 19980722; CN 98116212 A 19980806; DE 19734137 A 19970807; DE 59806021 T 19980722; JP 22489898 A 19980807; US 12791298 A 19980803