

Title (en)

Device for stabilising tensions in a film to be printed

Title (de)

Vorrichtung zur Stabilisierung der Spannungen in einem zu druckenden Film

Title (fr)

Dispositif pour stabiliser les tensions d'un film à imprimer

Publication

**EP 1439059 A1 20040721 (EN)**

Application

**EP 03425021 A 20030117**

Priority

EP 03425021 A 20030117

Abstract (en)

A device for stabilising tensions in a film to be printed, disposed between a film unwinding assembly and the printing assemblies of a printing machine, comprising a first set of rollers (3, 5, 7, 9) and a second set of rollers (2, 4, 6, 8, 10) opposed and offset with respect to the rollers of the first set so that the film passes therebetween following a winding course, winding round each roller for at least 180 DEG . <IMAGE>

IPC 1-7

**B41F 13/02**; **B65H 20/24**; **B65H 23/26**

IPC 8 full level

**B41F 13/02** (2006.01); **B65H 20/02** (2006.01); **B65H 20/24** (2006.01); **B65H 23/192** (2006.01)

CPC (source: EP)

**B41F 13/02** (2013.01); **B65H 20/02** (2013.01); **B65H 20/24** (2013.01); **B65H 23/192** (2013.01)

Citation (search report)

- [A] US 4778093 A 19881018 - RENOLD WALTER [US]
- [A] US 4569285 A 19860211 - FORNO MARIO [IT], et al

Cited by

DE102007024610A1; DE102007024610B4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

**EP 1439059 A1 20040721**

DOCDB simple family (application)

**EP 03425021 A 20030117**