

Title (en)
METHOD AND DEVICE FOR WINDING UP AT LEAST ONE PAPER WEB

Title (de)
VERFAHREN UND VORRICHTUNG ZUM EINZIEHEN VON MINDESTENS EINER PAPIERBAHN

Title (fr)
PROCEDE ET DISPOSITIF D'INTRODUCTION POUR AU MOINS UNE BANDE DE PAPIER

Publication
EP 1165421 B1 20030502 (DE)

Application
EP 00922438 A 20000318

Priority
• DE 0000848 W 20000318
• DE 19912290 A 19990319
• DE 19950942 A 19991022

Abstract (en)
[origin: WO0056646A1] The invention relates to a device for drawing in at least one paper web (05, 06, 07, 137, 138, 139, 142) into a roll rotary printing press (18, 26, 27). A draw-in member (33, 34, 87, 124) is provided with permanently fixed pointed bars (35) which can be moved in such a way that said pointed bars (35) penetrate the paper web exclusively during drawing-in.

IPC 1-7
B65H 45/22; **B65H 45/09**; **B65H 39/16**

IPC 8 full level
B41F 13/03 (2006.01); **B65H 20/20** (2006.01); **B65H 23/30** (2006.01); **B65H 27/00** (2006.01); **B65H 37/04** (2006.01); **B65H 37/06** (2006.01); **B65H 39/16** (2006.01); **B65H 45/09** (2006.01); **B65H 45/22** (2006.01)

CPC (source: EP US)
B41F 13/03 (2013.01 - EP US); **B65H 20/20** (2013.01 - EP US); **B65H 23/30** (2013.01 - EP US); **B65H 27/00** (2013.01 - EP US); **B65H 39/16** (2013.01 - EP US); **B65H 45/09** (2013.01 - EP US); **B65H 45/221** (2013.01 - EP US); **B65H 45/223** (2013.01 - EP US); **B65H 2301/4148** (2013.01 - EP US); **B65H 2301/441** (2013.01 - EP US); **B65H 2301/5132** (2013.01 - EP US); **B65H 2301/522** (2013.01 - EP US); **B65H 2404/1114** (2013.01 - EP US); **B65H 2404/114** (2013.01 - EP US); **B65H 2404/121** (2013.01 - EP US); **B65H 2404/1316** (2013.01 - EP US); **B65H 2404/1532** (2013.01 - EP US); **B65H 2404/154** (2013.01 - EP US); **B65H 2515/50** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US); **Y10T 156/1008** (2015.01 - EP US); **Y10T 156/1015** (2015.01 - EP US); **Y10T 156/1044** (2015.01 - EP US); **Y10T 156/1049** (2015.01 - EP US); **Y10T 156/1051** (2015.01 - EP US)

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
WO 0056646 A1 20000928; DE 50001967 D1 20030605; DE 50001971 D1 20030605; DE 50005258 D1 20040318; DE 50007814 D1 20041021; DE 50012791 D1 20060622; EP 1163179 A1 20011219; EP 1163179 B1 20030502; EP 1165421 A1 20020102; EP 1165421 B1 20030502; EP 1169252 A1 20020109; EP 1169252 B1 20040211; EP 1242300 A2 20020925; EP 1242300 B1 20040915; JP 2002540033 A 20021126; JP 2002540035 A 20021126; JP 3470803 B2 20031125; JP 3548719 B2 20040728; US 2004149799 A1 20040805; US 2005192172 A1 20050901; US 6705499 B1 20040316; US 6821240 B1 20041123; US 6929710 B1 20050816; US 7066368 B1 20060627; WO 0056650 A2 20000928; WO 0056650 A3 20001130; WO 0056651 A1 20000928; WO 0056652 A1 20000928

DOCDB simple family (application)
DE 0000849 W 20000318; DE 0000846 W 20000318; DE 0000847 W 20000318; DE 0000848 W 20000318; DE 50001967 T 20000318; DE 50001971 T 20000318; DE 50005258 T 20000318; DE 50007814 T 20000318; DE 50012791 T 20000318; EP 00918704 A 20000318; EP 00922437 A 20000318; EP 00922438 A 20000318; EP 00922439 A 20000318; JP 2000606514 A 20000318; JP 2000606520 A 20000318; US 12107105 A 20050504; US 74955504 A 20040102; US 92617402 A 20020107; US 92617502 A 20020107; US 92617602 A 20020107; US 92617702 A 20020107