

Title (en)
LATERAL SEPARATING DEVICE FOR PAPER WEBS

Title (de)
QUERTRENNEINRICHTUNG FÜR PAPIERBAHNEN

Title (fr)
DISPOSITIF DE SEPARATION TRANSVERSALE DE BANDES DE PAPIER

Publication
EP 1794075 B1 20130522 (DE)

Application
EP 04761941 A 20040927

Priority
CH 2004000601 W 20040927

Abstract (en)
[origin: WO2006034596A1] The invention relates to a device, for the lateral separation of paper webs, comprising: (I) a paper introduction region with at least one driven web supply roller, (II) a buffer region, in which the web is prepared for the discontinuous forward motion, (III) a cutting device, with a cutting means and (IV) a paper lead-off region with discontinuous web forward motion, comprising at least one tube group (120; 150) with two tubes (121, 122; 151, 152), which may be moved relative to at least one third tube (123; 153) of the group (120; 150) perpendicular to the web. The tube group (120; 150) is arranged between the paper introduction region with the tubes (140, 142) and the discontinuously driven paper web (130) in order to form a turning web loop of varying length. The length as determined by the separation between the tubes of the tube group is regulated by a controller, in connection with the driven web supply roller and the discontinuous web forward motion.

IPC 8 full level
B65H 35/04 (2006.01); **B65H 20/04** (2006.01); **B65H 20/34** (2006.01); **B65H 23/04** (2006.01)

CPC (source: EP US)
B65H 20/04 (2013.01 - EP US); **B65H 20/34** (2013.01 - EP US); **B65H 23/048** (2013.01 - EP US); **B65H 35/04** (2013.01 - EP US); **B65H 39/16** (2013.01 - EP); **Y10T 83/0448** (2015.04 - EP US); **Y10T 83/094** (2015.04 - EP US); **Y10T 83/2092** (2015.04 - EP US); **Y10T 83/4809** (2015.04 - EP US)

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006034596 A1 20060406; CA 2588259 A1 20060406; CA 2588259 C 20110802; EP 1794075 A1 20070613; EP 1794075 B1 20130522; JP 2008514522 A 20080508; US 2008148912 A1 20080626; US 7739935 B2 20100622

DOCDB simple family (application)
CH 2004000601 W 20040927; CA 2588259 A 20040927; EP 04761941 A 20040927; JP 2007532742 A 20040927; US 66363904 A 20040927