

Title (en)
METHODS FOR MAKING AND PROCESSING HIGH BULK TISSUE WEBS

Title (de)
METHODE ZUR PRODUKTION UND VERARBEITUNG VON HOCHVOLUMINÖSEN TISSUEPAPIERROLLEN

Title (fr)
PROCEDES DE FABRICATION DE BANDES DE PAPIER SOIE A GONFLANT ELEVE

Publication
EP 0975542 A1 20000202 (EN)

Application
EP 98915628 A 19980414

Priority
• US 9807838 W 19980414
• US 84509897 A 19970416
• US 4990898 A 19980330

Abstract (en)
[origin: WO9846509A1] A method for processing high bulk tissue webs includes forming a wet web, drying the web, winding the dried web to form a plurality of parents rolls (R), unwinding the parent rolls by transmitting torque through the roll center and/or ends, moving the partially unwound roll to effect splicing with a subsequent parent roll, and rewinding the thus united web. In particular embodiments, the torque transmitting means (20) comprise side clamping mechanisms that engage only the end surfaces of the parent rolls. In other embodiments, an automated off-line method for splicing tissue webs from different parent rolls utilizes a finishing unit (23) that substantially continuously impacts each web during unwinding the splice the webs together.

IPC 1-7
B65H 19/18; **B65H 16/10**

IPC 8 full level
B65H 16/10 (2006.01); **B65H 19/10** (2006.01); **B65H 19/12** (2006.01); **B65H 19/18** (2006.01)

CPC (source: EP)
B65H 16/10 (2013.01); **B65H 16/103** (2013.01); **B65H 16/106** (2013.01); **B65H 19/102** (2013.01); **B65H 19/126** (2013.01); **B65H 19/1836** (2013.01); **B65H 19/1868** (2013.01); **B65H 2301/41464** (2013.01); **B65H 2301/41525** (2013.01); **B65H 2301/4172** (2013.01); **B65H 2301/4621** (2013.01); **B65H 2301/4632** (2013.01); **B65H 2405/422** (2013.01); **B65H 2405/451** (2013.01); **B65H 2405/452** (2013.01); **B65H 2406/31** (2013.01); **B65H 2407/30** (2013.01); **B65H 2701/177** (2013.01)

Citation (search report)
See references of WO 9846509A1

Cited by
US11267669B2; WO2020025495A1

Designated contracting state (EPC)
BE DE ES FR GB IT NL SE

DOCDB simple family (publication)
WO 9846509 A1 19981022; AU 6976498 A 19981111; AU 732712 B2 20010426; BR 9808544 A 20000523; CA 2285949 A1 19981022; CA 2285949 C 20061219; CN 1108974 C 20030521; CN 1259102 A 20000705; DE 69820605 D1 20040129; DE 69820605 T2 20041111; DE 69827174 D1 20041125; DE 69827174 T2 20050224; DE 69836443 D1 20061228; EP 0975542 A1 20000202; EP 0975542 B1 20031217; ES 2225705 T3 20050316; ES 2275790 T3 20070616; HK 1028760 A1 20010302; JP 2002515845 A 20020528

DOCDB simple family (application)
US 9807838 W 19980414; AU 6976498 A 19980414; BR 9808544 A 19980414; CA 2285949 A 19980414; CN 98805772 A 19980414; DE 69820605 T 19980414; DE 69827174 T 19980414; DE 69836443 T 19980414; EP 98915628 A 19980414; ES 02020408 T 19980414; ES 02020409 T 19980414; HK 00108161 A 20001218; JP 54434098 A 19980414