

Title (en)
METHOD OF INITIATING THE PREMATURE REPLACEMENT OF A ROLL OF MATERIAL

Title (de)
VERFAHREN ZUM EINLEITEN EINES VORZEITIGEN ROLLENWECHSELS

Title (fr)
PROCEDE PERMETTANT D'INITIER A TEMPS UN CHANGEMENT DE ROULEAU DE PAPIER

Publication
EP 0754159 A1 19970122 (DE)

Application
EP 95915861 A 19950407

Priority
• DE 4412075 A 19940408
• DE 4442154 A 19941126
• EP 9501282 W 19950407

Abstract (en)
[origin: US5769353A] PCT No. PCT/EP95/01282 Sec. 371 Date Sep. 26, 1996 Sec. 102(e) Date Sep. 26, 1996 PCT Filed Apr. 7, 1995 PCT Pub. No. WO95/27676 PCT Pub. Date Oct. 19, 1995A process for initiating a premature roll change of a web to be unwound from a roll wound on a spool, the process including the steps of measuring temperature at an end of the roll in a zone up to 150 mm away from a surface of the spool in a radial direction during a time that the roll has between 100% and 60% of its fully wound weight, using a non-contact measuring device, determining a radial distance from the spool surface when a temperature difference \geq 0.5 DEG C. is found between temperature measurement locations in the zone and cooler adjacent areas, and storing the determined distance for triggering a signal that initiates a replacement of the roll when that distance is reached.

IPC 1-7
B65H 26/00; **B65H 19/10**

IPC 8 full level
B65H 19/10 (2006.01); **B65H 26/00** (2006.01); **B65H 26/08** (2006.01)

CPC (source: EP US)
B65H 19/10 (2013.01 - EP US); **B65H 26/00** (2013.01 - EP US); **B65H 26/08** (2013.01 - EP US); **B65H 2511/14** (2013.01 - EP US); **B65H 2511/52** (2013.01 - EP US); **B65H 2515/40** (2013.01 - EP US); **B65H 2557/512** (2013.01 - EP US)

C-Set (source: EP US)
B65H 2515/40 + **B65H 2220/01**

Citation (search report)
See references of WO 9527676A1

Cited by
CN110100149A

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
US 5769353 A 19980623; AT E169885 T1 19980915; CA 2187179 A1 19951019; CA 2187179 C 20000620; DK 0754159 T3 19981116; EP 0754159 A1 19970122; EP 0754159 B1 19980819; ES 2119427 T3 19981001; FI 963941 A0 19961002; FI 963941 A 19961002; NO 306337 B1 19991025; NO 964170 D0 19961002; NO 964170 L 19961002; WO 9527676 A1 19951019

DOCDB simple family (application)
US 72211496 A 19960926; AT 95915861 T 19950407; CA 2187179 A 19950407; DK 95915861 T 19950407; EP 9501282 W 19950407; EP 95915861 A 19950407; ES 95915861 T 19950407; FI 963941 A 19961002; NO 964170 A 19961002