

Title (en)

ARRANGEMENT AND METHOD FOR PROCESSING A PAPER WEB, IN PARTICULAR A CIGARETTE PAPER WEB

Title (de)

ANLAGE UND VERFAHREN ZUM BEARBEITEN EINER PAPIERBAHN, INSBESONDERE EINER ZIGARETTENPAPIERBAHN

Title (fr)

INSTALLATION ET PROCEDE POUR TRAITER UNE BANDE DE PAPIER, EN PARTICULIER UNE BANDE DE PAPIER A CIGARETTE

Publication

EP 2425056 A1 20120307 (DE)

Application

EP 10719264 A 20100430

Priority

- EP 2010002665 W 20100430
- DE 102009019600 A 20090430

Abstract (en)

[origin: WO2010124879A1] The invention relates to an arrangement for processing a paper web having a low surface area density not exceeding 70g/m², in particular a cigarette paper web, comprising: an input side, over which the paper web is fed into the arrangement; an output side, over which the paper web leaves the arrangement, wherein the paper web passes the arrangement from input side to output side in a direction of conveyance; a device (5) downstream of the input side, in particular a printing unit, preferably a gravure printing unit, for applying a liquid printing medium to the paper web; a first drying station (7) following the applying station in direction of conveyance, in particular hot-air drying, for drying the printing medium applied to the paper web; a device (9) following the first drying in direction of conveyance for moistening the paper web and a second drying station (11) following the moistening device in direction of conveyance, by which the moistened paper web is dried.

IPC 8 full level

D21F 5/00 (2006.01); **D21F 9/00** (2006.01); **D21F 11/00** (2006.01); **D21G 7/00** (2006.01)

CPC (source: EP KR US)

A24C 5/38 (2013.01 - EP KR US); **B05D 1/02** (2013.01 - KR US); **B41F 17/006** (2013.01 - KR); **B41F 17/16** (2013.01 - KR); **B41F 17/26** (2013.01 - KR); **B41F 17/30** (2013.01 - KR); **D21F 5/00** (2013.01 - EP US); **D21F 5/04** (2013.01 - KR); **D21F 7/02** (2013.01 - KR); **D21F 9/00** (2013.01 - EP KR US); **D21F 11/00** (2013.01 - EP KR US); **D21G 7/00** (2013.01 - EP KR US); **B41F 17/006** (2013.01 - US); **B41F 17/16** (2013.01 - US); **B41F 17/26** (2013.01 - US); **B41F 17/30** (2013.01 - US)

Citation (search report)

See references of WO 2010124879A1

Citation (third parties)

Third party :

- US 2002129824 A1 20020919 - HAMMERSMITH JAMES RODNEY [US], et al
- JP H07229095 A 19950829 - NEW OJI PAPER CO LTD
- WO 2004047572 A1 20040610 - REYNOLDS TOBACCO CO R [US]
- JP H05272087 A 19931019
- EP 0486213 A1 19920520 - PHILIP MORRIS [US]
- WO 2007046124 A1 20070426 - CELLI PAPER S P A A [IT], et al
- JP H058372 A 19930119 - DAINIPPON PRINTING CO LTD
- JP S62183348 A 19870811 - KYOKUTO INT
- JP 2004299228 A 20041028 - ORIENT SYST ENG KK
- JP S4857104 A 19730810

Cited by

US8863657B2; US9333530B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010124879 A1 20101104; BR PI1013913 A2 20160405; BR PI1013913 B1 20190910; CA 2758463 A1 20101104; CA 2758463 C 20170815; CN 102421963 A 20120418; CN 102421963 B 20150225; DE 102009019600 A1 20101111; EP 2425056 A1 20120307; EP 2425056 B1 20150128; ES 2535525 T3 20150512; KR 101738178 B1 20170529; KR 20120012976 A 20120213; MY 156489 A 20160226; PL 2425056 T3 20150630; US 2012111209 A1 20120510; US 2015004321 A1 20150101; US 8863657 B2 20141021; US 9333530 B2 20160510

DOCDB simple family (application)

EP 2010002665 W 20100430; BR PI1013913 A 20100430; CA 2758463 A 20100430; CN 201080018329 A 20100430; DE 102009019600 A 20090430; EP 10719264 A 20100430; ES 10719264 T 20100430; KR 20117028467 A 20100430; MY PI2011005185 A 20100430; PL 10719264 T 20100430; US 201013266504 A 20100430; US 201414487881 A 20140916