

Title (en)

METHOD AND MACHINE FOR PRODUCING A PAPER WEB THAT IS SMOOTH ON ONE SIDE

Title (de)

VERFAHREN UND MASCHINE ZUR HERSTELLUNG EINER EINSEITIG GLATTEN PAPIERBAHN

Title (fr)

PROCÉDÉ ET MACHINE DE FABRICATION D'UNE BANDE DE PAPIER LISSE SUR UN CÔTÉ

Publication

**EP 2160494 A1 20100310 (DE)**

Application

**EP 08760344 A 20080602**

Priority

- EP 2008056757 W 20080602
- DE 102007027270 A 20070611

Abstract (en)

[origin: WO2008151960A1] The invention relates to a method for producing a paper web that is smooth on one side by means of a machine comprising a forming area (14), a press area (16), and a drying area (18), the paper web (12) to be produced being taken up by means of a water-absorbent first press felt (20) of the forming area and guided, together with the first press felt (20) and an at least substantially non-water-absorbent smooth transfer belt (26), through a first press nip (28) associated with the press area (16). The first press felt (20) is guided away from the paper web (12) directly after the first press nip (28), while the paper web (12) is guided away from the first press nip (28) together with the smooth transfer belt (26). The paper web (12) is subsequently taken up from the smooth transfer belt (26) by means of a particularly conditioned, water-absorbent second press felt (30) that is not guided through the first press nip (28) and subsequently, along with the second press felt (30), guided through a second press nip (32) associated with the drying area (18). The invention further relates to a corresponding machine for producing a paper web that is smooth on one side.

IPC 8 full level

**D21F 3/02** (2006.01); **D21F 3/04** (2006.01)

CPC (source: EP US)

**D21F 3/0281** (2013.01 - EP US); **D21F 3/045** (2013.01 - EP US)

Citation (search report)

See references of WO 2008151960A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**DE 102007027270 A1 20081218**; CN 101680179 A 20100324; CN 101680179 B 20121226; EP 2160494 A1 20100310; EP 2160494 B1 20121121; US 2010096097 A1 20100422; WO 2008151960 A1 20081218

DOCDB simple family (application)

**DE 102007027270 A 20070611**; CN 200880019898 A 20080602; EP 08760344 A 20080602; EP 2008056757 W 20080602; US 63475809 A 20091210