

Title (en)

Process and installation for the production of embossed household or sanitary paper.

Title (de)

Verfahren und Anlage zur Herstellung eines geprägten Haushalts- oder Hygienepapiers.

Title (fr)

Procédé et installation pour la fabrication du papier d'entretien ou hygiénique gaufré.

Publication

**EP 0436170 B1 19950607 (DE)**

Application

**EP 90124273 A 19901214**

Priority

DE 3942536 A 19891222

Abstract (en)

[origin: EP0436170A2] In the conventional steel-rubber embossing of a web of paper, a rough side and a smooth side are produced. The subject of the application is a multi-ply household or sanitary paper in which at least two plies are embossed independently of each other and joined to each other by knurling in such a way that the outer sides of the outer plies are smooth. The gripping appearance and the quality of the embossed design are improved and the voluminosity of the household or sanitary paper is increased. <IMAGE>

IPC 1-7

**D21H 27/40**; D21H 25/00

IPC 8 full level

**B31F 1/07** (2006.01); **D21H 25/00** (2006.01); **D21H 27/40** (2006.01)

CPC (source: EP)

**B31F 1/07** (2013.01); **D21H 25/005** (2013.01); **D21H 27/40** (2013.01); **B31F 2201/0728** (2013.01); **B31F 2201/0738** (2013.01); **B31F 2201/0761** (2013.01); **B31F 2201/0764** (2013.01); **B31F 2201/0766** (2013.01); **B31F 2201/0784** (2013.01)

Cited by

EP1149552A1; EP0666170A1; FR2928383A1; EA017969B1; WO2009115705A1; WO9529294A1; WO9609162A1; WO9527429A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI NL

DOCDB simple family (publication)

**EP 0436170 A2 19910710**; **EP 0436170 A3 19920325**; **EP 0436170 B1 19950607**; AT E123542 T1 19950615; DE 3942536 A1 19910627; DE 3942536 C2 19911017; DE 59009207 D1 19950713; ES 2075124 T3 19951001; GR 3017110 T3 19951130

DOCDB simple family (application)

**EP 90124273 A 19901214**; AT 90124273 T 19901214; DE 3942536 A 19891222; DE 59009207 T 19901214; ES 90124273 T 19901214; GR 950402223 T 19950811