

Title (en)

Process for smoothing a paper or cardboard web

Title (de)

Verfahren zum Glätten einer Papier- oder Kartonbahn

Title (fr)

Procédé de lissage d'une rande de papier ou de carton

Publication

EP 0370185 B2 20000119 (DE)

Application

EP 89116409 A 19890906

Priority

CH 404588 A 19881031

Abstract (en)

[origin: EP0370185A1] The smoothing takes place in a smoothing zone (2), in which the operation is carried out under pressure using temperature and moisture. The desired smoothness is achieved with a correspondingly long residence time of the web of material (1) in a smoothing zone (2) which is correspondingly long having regard to the velocity of the web. A still moist web (1) is guided between heatable surfaces (3, 4) which are arranged on both sides of the web (1), face each other across the web, extend in parallel and can each be pressed against the web. The surfaces (3, 4) are constructed over their entire length for forming and holding a given, defined contour of smoothing zone (2). The one surface (3) is, for example, constructed as an outer surface (5) of a heated cylinder (6) and the second surface (4) is constructed as a continuous flexible belt (7) which can be pressed towards the outer surface (5) of the cylinder by means of a concave support element (8). <??>If desired, the web (1) can be smoothed on both sides using the method. <IMAGE>

IPC 1-7

D21G 1/00

IPC 8 full level

D21G 1/00 (2006.01)

CPC (source: EP US)

D21G 1/006 (2013.01 - EP US)

Cited by

EP0967324A3; US6065222A; DE10157689C1; DE10157690C1; EP0828028A3; US5913587A; EP2108737A1; DE10206027A1; DE10206027C2; DE10157687A1; DE10157687B4; US5894679A; EP1314819A3; DE102007039390A1; US6182564B1; DE102007012521A1; DE102007028986A1; DE102010030327A1

Designated contracting state (EPC)

AT GB SE

DOCDB simple family (publication)

EP 0370185 A1 19900530; EP 0370185 B1 19920513; EP 0370185 B2 20000119; AT E76134 T1 19920515; DE 3920204 A1 19900510; DE 3920204 C2 19910411; US 5163364 A 19921117

DOCDB simple family (application)

EP 89116409 A 19890906; AT 89116409 T 19890906; DE 3920204 A 19890621; US 42397589 A 19891019