

Title (en)

METHOD AND DEVICE FOR MAKING A CALIBRATED CARD BOARD TUBE WITH A VERY LOW SURFACE RUGOSITY AND A HIGH DIMENSIONAL STABILITY

Publication

EP 0170539 B1 19871216 (FR)

Application

EP 85401079 A 19850531

Priority

FR 8410498 A 19840703

Abstract (en)

[origin: ES8609032A1] Process for manufacturing a calibrated cardboard tube having minimal surface roughness and dimensional stability, involving helically winding a plurality of glued strips or plies around a mandrel and then polishing the exterior surface of the rough tube, coating the exterior surface with a thermosetting resin, cutting the tube, drying and compressing the cut pieces transversely together with applying heat, wherein at least the next-to-last ply and the last ply or strips of a dense material are impregnated with a thermosetting resin and, after coating and heat compression of the pieces, a final coating of a thermosetting resin is applied to the last plies before drying the coated surface and buffing or finish polishing to form a smooth surface, and the apparatus for performing the process.

IPC 1-7

B31C 3/00

IPC 8 full level

B31C 3/00 (2006.01); **B31C 11/02** (2006.01); **B31C 11/04** (2006.01)

CPC (source: EP US)

B31C 3/00 (2013.01 - EP US)

Citation (examination)

FR 1563024 A 19690411

Cited by

FR2623439A1; CN102922779A; EP0343601A3

Designated contracting state (EPC)

BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0170539 A1 19860205; **EP 0170539 B1 19871216**; DE 3561187 D1 19880128; ES 544355 A0 19860901; ES 8609032 A1 19860901; FR 2567069 A1 19860110; FR 2567069 B1 19861205; JP H0628930 B2 19940420; JP S6120733 A 19860129; US 4645553 A 19870224

DOCDB simple family (application)

EP 85401079 A 19850531; DE 3561187 T 19850531; ES 544355 A 19850619; FR 8410498 A 19840703; JP 10417585 A 19850517; US 73992785 A 19850531