Title (en)
METHOD FOR AUTOMATICALLY CUTTING A FLEXIBLE SHEET MATERIAL

Title (de)
VERFAHREN ZUM AUTOMATISCHEN SCHNEIDEN VON WEICHEN BLATTMATERIALIEN

Title (fr)
PROCEDE DE DECOUPE AUTOMATIQUE D'UNE MATIERE SOUPLE EN FEUILLE

Publication
EP 0682481 B1 19980812 (FR)

Application
EP 94905762 A 19940131

Priority
• FR 9400117 W 19940131
• FR 9301359 A 19930208

Abstract (en)
[origin: WO9417683A1] Cutting is performed by automatically controlling relative movement between a cutting blade and a material along a desired cutting line according to set tangential speed and acceleration values for each line. On reaching an angle between a first cutting line path and a second path, the blade is rotated as it moves through the material so that it switches automatically from a first direction tangential to the first path, to a second direction tangential to the second path. Blade rotation takes place at a predetermined average rotation speed over a rotational path consisting of a predetermined portion of the first path and/or the second path which ends or begins at the apex of the angle or includes said apex. The average speed of the blade moving along the rotational path is correlated to the average blade rotation speed and the angle value, whereas the cutting blade moves along the first path and/or the second path, when outside the rotational path, at a set tangential cutting acceleration and speed determined for said path(s).

IPC 1-7
A41H 43/00; B26F 1/38

IPC 8 full level
A41H 43/00 (2006.01); **B26D 5/00** (2006.01); **B26F 1/38** (2006.01); **D06H 7/00** (2006.01)

CPC (source: EP)
B26D 5/00 (2013.01); **B26D 5/005** (2013.01); **B26F 1/38** (2013.01); B26F 2001/388 (2013.01)

Designated contracting state (EPC)
DE ES GB IT

DOCDB simple family (publication)
FR 2701229 A1 19940812; **FR 2701229 B1 19950428**; DE 69412460 D1 19980917; DE 69412460 T2 19990128; EP 0682481 A1 19951122; EP 0682481 B1 19980812; ES 2121188 T3 19981116; JP H08506767 A 19960723; WO 9417683 A1 19940818

DOCDB simple family (application)
FR 9301359 A 19930208; DE 69412460 T 19940131; EP 94905762 A 19940131; ES 94905762 T 19940131; FR 9400117 W 19940131; JP 51771094 A 19940131