

Title (en)

Cutting device, particularly for slitting plastic material webs.

Title (de)

Langsschneidvorrichtung für Kunststoffbänder.

Title (fr)

Dispositif pour couper en long des bandes en matière plastique.

Publication

EP 0500411 A1 19920826 (FR)

Application

EP 92400313 A 19920207

Priority

FR 9101897 A 19910218

Abstract (en)

A cutting device is provided for slitting a web of plastics material which is continuously moving between first (3) and second (4) transfer rolls rotating about horizontal axes while being kept under mechanical tension between said rolls, the device including a knife (6) with a circular cutting edge (6B) composed of a thin disc with a bevelled edge (6D,6E) which is slowly driven in rotation about an axis substantially parallel to the axis of said transfer rolls (3,4) and which, in the cutting position, intersects from below, and over a circular segment, the oblique plane inclined at substantially 45 DEG to the horizontal formed by said web between said rolls, the direction of rotation of said disc (6) being such that the tangential movement of the cutting edge (6D,6E) thereof in the region that intersects said web is in the opposite direction to the movement of said web. <IMAGE>

IPC 1-7

B26D 1/02; **B26D 1/03**

IPC 8 full level

B26D 1/02 (2006.01)

CPC (source: EP)

B26D 1/025 (2013.01); **B26D 5/02** (2013.01); **B26D 7/08** (2013.01)

Citation (search report)

- [A] DE 3314726 A1 19831027 - VALMET OY [FI]
- [A] FR 2152857 A1 19730427 - TNO

Cited by

EP0671247A1; CN1074974C; US10350776B2

Designated contracting state (EPC)

DE FR GB IT LU NL

DOCDB simple family (publication)

EP 0500411 A1 19920826; **EP 0500411 B1 19951129**; DE 69206288 D1 19960111; DE 69206288 T2 19960718; FR 2672837 A1 19920821

DOCDB simple family (application)

EP 92400313 A 19920207; DE 69206288 T 19920207; FR 9101897 A 19910218