

Title (en)
CUTTING ROLL

Publication
EP 0436142 A3 19911127 (DE)

Application
EP 90123519 A 19901207

Priority
DE 4000078 A 19900103

Abstract (en)
[origin: US5109741A] The invention relates to a knife roller with at least one film knife which is securable on a multi-part roller body, which comprises suction openings around its circumference, and connected thereto, suction channels extending in the lengthwise direction. The gist of the invention is that: a) suction openings are provided along several suction hole rows arranged next to one another in the circumferential direction, b) one suction channel is arranged to correspond with each suction hole row, and c) at least one suction air control channel and at least one adjustable suction air control disk are provided, d) by means of which the suction air control channel is selectively connectable with different suction channels, suction hole rows, and their suction openings.

IPC 1-7
B26D 7/18

IPC 8 full level
B26D 7/18 (2006.01); **B26D 7/20** (2006.01); **B26F 1/38** (2006.01); **B31B 19/00** (2006.01); **B31B 50/83** (2017.01)

CPC (source: EP US)
B26D 7/1863 (2013.01 - EP US); **Y10S 83/911** (2013.01 - EP US); **Y10T 83/207** (2015.04 - EP US); **Y10T 83/2185** (2015.04 - EP US); **Y10T 83/4838** (2015.04 - EP US); **Y10T 83/9387** (2015.04 - EP US)

Citation (search report)
• [X] US 3172321 A 19650309 - ERNST SCHRADER
• [Y] DE 1209414 B 19660120 - WINKLER RICHARD, et al
• [Y] EP 0312422 B1 19920415

Cited by
EP1837136A1; DE19841834A1; US6205899B1; WO2007107607A1; WO9528261A1; WO2014075791A1; TWI553189B

Designated contracting state (EPC)
BE DE FR GB

DOCDB simple family (publication)
EP 0436142 A2 19910710; **EP 0436142 A3 19911127**; **EP 0436142 B1 19950913**; DE 4000078 A1 19910704; DE 59009657 D1 19951019; US 5109741 A 19920505

DOCDB simple family (application)
EP 90123519 A 19901207; DE 4000078 A 19900103; DE 59009657 T 19901207; US 62821390 A 19901217