

Title (en)
Cutting device with oscillating cutting wires

Title (de)
Schneidvorrichtung mit oszillierenden Schneiddrähten

Title (fr)
Dispositif de coupe équipé de fils oscillants

Publication
EP 0933171 A3 20000830 (DE)

Application
EP 99101185 A 19990122

Priority
DE 29801499 U 19980130

Abstract (en)
[origin: EP0933171A2] A support frame carries adjustable tensioning and reciprocating mechanisms to oscillate the heated cutting wires axially by 5-15 mm at about 40 Hz during relative movement to the polystyrene blocks. Each wire has its own tension spring with a common eccentric driven rocker shaft running the length of the frame. A tilt mechanism can disengage the rocker drive using a hydraulic actuating cylinder.

IPC 1-7
B26D 1/553; **B26D 1/52**

IPC 8 full level
B26D 1/10 (2006.01); **B26D 1/11** (2006.01); **B26D 1/52** (2006.01); **B26D 1/553** (2006.01)

CPC (source: EP)
B26D 1/10 (2013.01); **B26D 1/11** (2013.01); **B26D 1/553** (2013.01); **B26F 3/12** (2013.01)

Citation (search report)
• [A] WO 9011169 A1 19901004 - DONADON CARLO [IT]
• [A] EP 0097992 A1 19840111 - DIJK BV GEBR VAN [NL]
• [A] US 2295764 A 19420915 - TAYLOR ORLIN D
• [A] DE 29514153 U1 19970116 - WIESER MASCHINENBAU GES M B H [AT]

Cited by
CN105856574A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0933171 A2 19990804; **EP 0933171 A3 20000830**; **EP 0933171 B1 20031105**; AT E253437 T1 20031115; DE 29801499 U1 19990602; DE 59907578 D1 20031211

DOCDB simple family (application)
EP 99101185 A 19990122; AT 99101185 T 19990122; DE 29801499 U 19980130; DE 59907578 T 19990122