

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)  
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• [A] EP 0097992 A1 19840111 - DIJK BV GEBR VAN [NL]  
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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

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