

Title (en)  
Thread cutting device for sewing machines.

Title (de)  
Fadentrenneinrichtung an Nähmaschinen.

Title (fr)  
Coupe-fil pour machine à coudre.

Publication  
**EP 0042822 A1 19811230 (EN)**

Application  
**EP 81830087 A 19810602**

Priority  
IT 6796180 A 19800619

Abstract (en)  
To control the oscillation of a hook-shaped cutter (18), the device uses a fluid pressure actuator fixed directly beneath the throat plate (1) and operating the hook by means of an arm (14) connected directly to the central part of a slidable plunger (8) within the cylinder (2). The cylinder is provided with flanges (3) to which are connected end plates (6) with the interposition of sealing sheets of elastomeric material (5) serving as shock absorbers. The hook-shaped cutter cooperates with a rectilinear counter-blade (23) which is lightened towards the point and can be made from hard metal such as metal carbides.

IPC 1-7  
**D05B 65/00**

IPC 8 full level  
**D05B 65/00** (2006.01); **D05B 73/00** (2006.01); **D05B 73/12** (2006.01)

CPC (source: EP)  
**D05B 65/00** (2013.01); **D05B 73/00** (2013.01); **D05B 73/12** (2013.01); **D05D 2207/02** (2013.01)

Citation (search report)

- FR 2360702 A1 19780303 - UNION SPECIAL GMBH [DE]
- US 3648634 A 19720314 - HAZENDONK JOHANNUS FRANCISCUS
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Designated contracting state (EPC)  
AT BE CH DE FR GB LI NL SE

DOCDB simple family (publication)  
**EP 0042822 A1 19811230**; ES 502841 A0 19820501; ES 8204005 A1 19820701; IT 1128812 B 19860604; IT 8067961 A0 19800619

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**EP 81830087 A 19810602**; ES 502841 A 19810608; IT 6796180 A 19800619