

Title (en)  
Sewing machine.

Title (de)  
Nähmaschine.

Title (fr)  
Machine à coudre.

Publication  
**EP 0484591 B1 19940420 (DE)**

Application  
**EP 90124189 A 19901214**

Priority  
DE 4032813 A 19901016

Abstract (en)  
[origin: US5182999A] The invention concerns a sewing machine having a sewing-material feeder to advance the material being sewn in a step-wise manner and having furthermore a drive shaft pivoting to-and-fro in order to intermittently move the sewing-material feeder in the direction of advance of the material being sewn. The drive shaft includes a radially projecting drive crank connected by a linkbar of corresponding length to an output crank pivotably supported on a sleeve to pivot about an axis parallel to the drive shaft. The sleeve is rotatably supported on an output shaft cooperating with the sewing-material feeder and can be rotated by means of a stitch-length adjustment device. The output shaft is also parallel to the drive shaft and is driven by the output crank through a transmission provided on the sleeve. By this arrangement, a high compactness and a very advantageous force transmission between drive and output shafts can be achieved.

IPC 1-7  
**D05B 27/22**

IPC 8 full level  
**D05B 27/08** (2006.01); **D05B 1/24** (2006.01); **D05B 27/14** (2006.01); **D05B 27/22** (2006.01); **D05B 85/06** (2006.01)

CPC (source: EP US)  
**D05B 1/24** (2013.01 - EP US); **D05B 27/14** (2013.01 - EP US); **D05B 27/22** (2013.01 - EP US); **D05B 85/06** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**US 5182999 A 19930202**; AT E104705 T1 19940515; DE 4032813 C1 19911219; EP 0484591 A1 19920513; EP 0484591 B1 19940420; ES 2054205 T3 19940801; HU 913260 D0 19920128; HU T65010 A 19940328; JP H04226693 A 19920817; RU 2052551 C1 19960120

DOCDB simple family (application)  
**US 77590491 A 19911015**; AT 90124189 T 19901214; DE 4032813 A 19901016; EP 90124189 A 19901214; ES 90124189 T 19901214; HU 326091 A 19911015; JP 16587891 A 19910705; SU 5001771 A 19911004