

Title (en)  
Needling machine

Title (de)  
Nadelmaschine

Title (fr)  
Aiguilleteuse

Publication  
**EP 0892102 A3 19990526 (DE)**

Application  
**EP 98108058 A 19980504**

Priority  
DE 19730532 A 19970716

Abstract (en)  
[origin: EP0892102A2] The needling machine has a drive to give the needles a vertical movement component and a second drive system for the horizontal movement component. The second drive has two eccentric shafts (18,19;2) rotating at the same speed. Each eccentric section has a crankshaft (16,17;3) to convert the rotary movements into linear reciprocating movements. A coupling bridge (12) directs the linear reciprocating movements to two spaced linkage points (13,14), which have a third linkage point (15) between them coupled to the needle beam (6). A control unit (S1) sets the stroke movements for the horizontal component, by altering the rotary angle positions of the two eccentric shafts.

IPC 1-7  
**D04H 18/00**

IPC 8 full level  
**D04H 18/00** (2012.01)

CPC (source: EP US)  
**D04H 18/02** (2013.01 - EP US)

Citation (search report)

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