

Title (en)  
CIRCULAR NEEDLING LOOM WITH SMOOTH TABLE

Title (de)  
VERNADDELUNGSMASCHINE MIT GLATTEM TISCH

Title (fr)  
MACHINE D'AIGUILLETAGE CIRCULAIRE A TABLE LISSE

Publication  
**EP 1397546 A1 20040317 (FR)**

Application  
**EP 02727701 A 20020426**

Priority  
• FR 0201456 W 20020426  
• FR 0105798 A 20010430

Abstract (en)  
[origin: US6367130B1] In a circular needling machine for needling an annular preform and comprising both a vertically movable needling table serving as a horizontal support for said annular preform, and a needling head having a determined number of barbed needles disposed over the needling table in a needling zone and driven with vertical reciprocating motion, provision is made for the annular preform to be placed directly on the needling table and for it to be driven in rotation on the needling table by drive means while the needling table remains rotationally stationary during said rotation. The drive means comprise a set of conical friction rollers kept continuously in contact with the annular preform.

IPC 1-7  
**D04H 18/00**; **D04H 13/00**

IPC 8 full level  
**D04H 1/48** (2012.01); **D04H 1/70** (2012.01); **D04H 18/02** (2012.01); **D04H 18/00** (2012.01)

CPC (source: EP KR US)  
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