

Title (en)
NEEDLING MACHINE

Title (de)
NADELMASCHINE

Title (fr)
AIGUILLETEUSE

Publication
EP 3359719 A1 20180815 (DE)

Application
EP 16748298 A 20160804

Priority
• DE 102015116883 A 20151005
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Abstract (en)
[origin: WO2017059984A1] The invention relates to a needling machine for securing nonwoven textile products, comprising a needle bar which can be moved up and down by at least one rotatable crankshaft by means of connection rods. The needling machine has multiple bearings for supporting the crankshaft on a housing and/or in a bore of the connection rod, said bearings being provided with a lubricant. The invention is characterized in that the bearing(s) is/are sealed on both sides by a respective sealing element (23; 24), and each sealing element (23; 24) is designed in the form of a ring and has at least one spiral-shaped or helical groove or ridge on the outer or inner diameter, said groove or ridge interacting with a counter surface which is arranged at a distance therefrom and which is flat over the width.

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