

Title (en)
NEEDLING MACHINE

Title (de)
NADELMASCHINE

Title (fr)
MACHINE D'AIGUILLETAGE

Publication
EP 2165014 A1 20100324 (DE)

Application
EP 08774741 A 20080703

Priority
• EP 2008058629 W 20080703
• DE 102007031728 A 20070706

Abstract (en)
[origin: WO2009007308A1] The invention relates to a needling machine for needling a fibrous web, in which needling machine a needling bar is guided in an upward and downward movement by a movable bar carrier. To this end, a vertical drive is provided which has at least one connecting rod which is connected to a shaft via a bearing point. The vertical drive is assigned a lubricating device for lubricating the bearing point with a lubricant. In order for it to be possible to enable production outputs which are as high as possible with correspondingly high reciprocating frequencies, according to the invention the lubricating device has a metering means and a metering line which is connected to the metering means, wherein the metering means continuously or intermittently feeds a minimum amount of lubricants to the bearing point via the metering line.

IPC 8 full level
D04H 18/02 (2012.01); **F16N 7/00** (2006.01)

CPC (source: EP)
D04H 18/02 (2013.01)

Citation (search report)
See references of WO 2009007308A1

Cited by
DE102015116883A1; WO2017059984A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007031728 A1 20090108; DE 102007031728 B4 20160114; EP 2165014 A1 20100324; EP 2165014 B1 20121017;
WO 2009007308 A1 20090115

DOCDB simple family (application)
DE 102007031728 A 20070706; EP 08774741 A 20080703; EP 2008058629 W 20080703