

Title (en)
Needle gripper with electrodynamic positioning member

Title (de)
Nadelgreifer mit elektrodynamischem Stellglied

Title (fr)
Préhenseur à aiguille doté d'un actionneur électrodynamique

Publication
EP 2716585 B1 20200212 (DE)

Application
EP 13004827 A 20131008

Priority
DE 102012019638 A 20121008

Abstract (en)
[origin: EP2716585A2] The needle gripper comprises a housing (10,40) or frame extendible needles (2), where the needles are arranged individually or in groups at one or two oppositely movable needle carriages driven by an actuator over a gear unit. The longitudinal direction of the needles corresponds to the traverse path direction of the corresponding needle carriage. The actuator is an electrodynamic drive. The gear unit deflects the direction of the reciprocating movement of the movable components of the electrodynamic actuator in the traverse path direction of the corresponding needle carriage.

IPC 8 full level
B65H 3/22 (2006.01); **B65H 3/56** (2006.01); **B65H 5/14** (2006.01)

CPC (source: EP)
B65H 3/22 (2013.01); **B65H 5/14** (2013.01); **B65H 2403/5331** (2013.01); **B65H 2405/58** (2013.01); **B65H 2405/60** (2013.01); **B65H 2555/13** (2013.01)

Cited by
CN105980114A; KR20230086222A; US2014197650A1; US8888154B2; CN107825445A; US10583566B2; WO2015169578A1; DE102016204659A1; WO2017162633A1; EP4119307A1

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DOCDB simple family (publication)
EP 2716585 A2 20140409; EP 2716585 A3 20150121; EP 2716585 B1 20200212; DE 102012019638 A1 20140410; DE 102012019638 B4 20150618

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