

Title (en)
Needle bar holder for a sewing machine

Title (de)
Nadelhalter für eine Nähmaschine

Title (fr)
Support d'aiguille pour une machine à coudre

Publication
EP 1837430 A1 20070926 (DE)

Application
EP 06005802 A 20060322

Priority
EP 06005802 A 20060322

Abstract (en)
The needle clamp (7) for receiving sewing needle (4) to firmly hold the needle on a needle bar (2) in a stop position, useful for an industrial sewing machine (1), comprises a device arranged on the needle clamp for manually adjusting the stop position of the clamp in a direction transverse to the sewing needle, and a relative position of the needle in relative to needle guard, and/or a gripper (6), which serves to grip threads conveying by the needle, and storage device that is adjustably arranged transverse to the needle and also to hold the needle. The needle clamp (7) for receiving sewing needle (4) to firmly hold the needle on a needle bar (2) in a stop position, useful for an industrial sewing machine (1), comprises a device arranged on the needle clamp for manually adjusting the stop position of the clamp in a direction transverse to the sewing needle, and a relative position of the needle in relative to needle guard, and/or a gripper (6), which serves to grip threads conveying by the needle, and storage device that is adjustably arranged transverse to the needle and also to hold the needle. The adjusting device has a position-adjustable device, a clamping unit to clamp the needle against the position-adjustable device, and an electrically controllable and/or adjustable drive. The adjustable device is constitutently formed to needle stop positions, in which the needle is to hold parallel to a needle-movement direction that is determined by the needle movement. The adjusting device is arranged to position adjustment in adjustable release or infinitely adjustable manner.

Abstract (de)
Der erfindungsgemäße Nadelhalter (7) ist insbesondere für Industrienähmaschinen vorgesehen, bei denen Nähmaschinennadeln mit unterschiedlicher Nadelstärke und vorzugsweise zylindrischem Kolben oder Schaft in Querrichtung verstellbar gelagert bzw. gehalten sind. Damit kann eine Abstimmung der Relativposition zwischen Nähnaedel (4) und Greifer (6) vorgenommen werden, ohne dazu die Greiferposition und/oder die Nadelschutzposition verstellen zu müssen.

IPC 8 full level
D05B 55/00 (2006.01); **D05B 55/14** (2006.01)

CPC (source: EP KR US)
D05B 55/00 (2013.01 - EP KR US); **D05B 55/02** (2013.01 - KR); **D05B 55/14** (2013.01 - EP US)

Citation (applicant)
• DE 10334023 A1 20050217 - FERD SCHMETZ GMBH [DE]
• DE 10334023 A1 20050217 - FERD SCHMETZ GMBH [DE]

Citation (search report)
• [X] DE 872147 C 19530330 - MEFINA SA
• [X] GB 1050003 A
• [X] US 3713407 A 19730130 - CIECIOR H
• [X] DE 856828 C 19521124 - SINGER MFG CO

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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