

Title (en)
Workpiece holding device.

Title (de)
Arbeitsstück-Haltevorrichtung.

Title (fr)
Dispositif de maintien de l'ouvrage.

Publication
EP 0020850 A1 19810107 (DE)

Application
EP 80100847 A 19800221

Priority
DE 2924412 A 19790616

Abstract (en)
[origin: US4282820A] An assembly disposable at a sewing-machine station for assisting an operator in the positioning and fixing of a pair of workpieces relative to one another prior to stitching at the sewing station comprises a multiplicity of clamping modules each having six lower fingers projecting from a module housing for clamping a first workpiece to a base plate and six upper fingers for clamping a second workpiece over the first. The lower fingers and the upper fingers are rigid with respective levers pivotable by the plungers of respective pneumatic cylinders, these cylinders being energizable in a predetermined sequence by an operator-controlled push valve to effect a piecewise positioning of the first workpiece and then of the second workpiece. Preferably, the modules are hingedly interconnected for assuming a curvilinear arrangement matching the contour of a workpiece; a flexible guide web is linked to the modules and to spring-loaded shape-restoring rods and profiles corresponding to the contours of workpieces are separately engageable with the web for forcing the same to conform to the contour of a selected workpiece. A support plate orientable above the first workpiece upon the positioning thereof facilitates the positioning of the second workpiece. The modules are shiftably mounted on a frame for moving together with the clamped workpieces toward the sewing station.

Abstract (de)
Arbeitsstück-Haltevorrichtung zum nähgerechten Positionieren und Festklemmen von zusammenzunähenden Arbeitsstücken, dadurch gekennzeichnet, daß eine Klemmvorrichtung mit zwei übereinander angeordneten Klemmleisten (10, 20) für je ein Arbeitsstück (1, 2) vorgesehen ist und daß jede Klemmleiste (10, 20) aus einer Vielzahl unabhängig voneinander betätigbarer einzelner Klemmen (11-16), (21-26) besteht.

IPC 1-7
D05B 39/00

IPC 8 full level
D05B 35/10 (2006.01); **D05B 35/00** (2006.01); **D05B 39/00** (2006.01)

CPC (source: EP US)
D05B 35/00 (2013.01 - EP US); **D05B 39/00** (2013.01 - EP US); **D05D 2207/02** (2013.01 - EP US)

Citation (search report)
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• FR 2024684 A5 19700828 - INST SHVEINOI PROMYS
• US 4122785 A 19781031 - SCHOLL HANS, et al
• DE 2206510 A1 19730816 - LIERSCH ARTHUR
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• US 3669048 A 19720613 - DUNN GEOFFREY BERNARD, et al
• FR 1404026 A 19650625 - CHVEINAIA FABRIKA NO 9 UPRAVLE
• DE 2164862 A1 19730628 - KOCHS ADLER AG
• DE 2009627 A1 19710916

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Designated contracting state (EPC)
BE CH FR GB IT

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 80100847 A 19800221; DE 2924412 A 19790616; JP 8031780 A 19800616; US 15203580 A 19800521