

Search query (2): [SP]: 1. a clamp (2) for key duplicating machines, comprising: a support (4) connected to an underlying structure of a key duplicating machine a pin (6) emerging upwards from said support (4) and having its upper end threaded and engagable by a clamping knob, a base of said support (4) presenting on its upper surface (24) a pair of parallel projections (22) positioned on opposite sides of said pin (6) a lower jaw (8) of square plan, positioned on said support (4) and having a central hole thereof engaged by said pin (6) such as to be able to rotate about an axis thereof, said lower jaw (8) being provided in its lower surface (14) with four grooves (16) disposed parallel to jaw sides and engagable in pairs with said projections (22) for each of four angular positions of said lower jaw (8) rotated 90 degrees apart about the axis of said pin (6) and an upper jaw (10) of square plan, having a central hole thereof engaged by said pin (6) such as to be able to rotate about the axis thereof, said upper jaw (10) cooperating with the lower jaw (8) to clamp a key interposed between the lower and upper jaws, wherein: said pair of projections is are shaped as cylindrical pegs (22) housed in depressed parallel seats (20) defined in the upper surface (24) of the support (4) such that at least one portion of each peg emerges from the upper surface (24) of the support, and when the clamp (2) is active, its lower jaw (8) rests only by two of the four grooves (16) on the two projections (22) of the support (4), while for a remaining part, the lower surface (14) is spaced from the upper surface (24) of the support (4). 2. the clamp as claimed in claim 1, wherein said four grooves (16) are of inverted v-shaped profile. 3. the clamp as claimed in claim 1, wherein facing surfaces of the lower and upper jaws (8, 10) are provided with ribs (12) complementary to longitudinal cuts present in the key to be clamped between the lower and upper jaws. 4. the clamp as claimed in claim 1, wherein the support (4) is of square plan with dimensions corresponding to dimensions of the lower and upper jaws (8, 10). 5. the clamp as claimed in claim 1, wherein said knob is arranged to act, against a reaction of a spring interposed between the lower and upper jaws (8, 10), to lock the lower and upper jaws (8, 10) together and to the support (4).

Results: 9

Search history

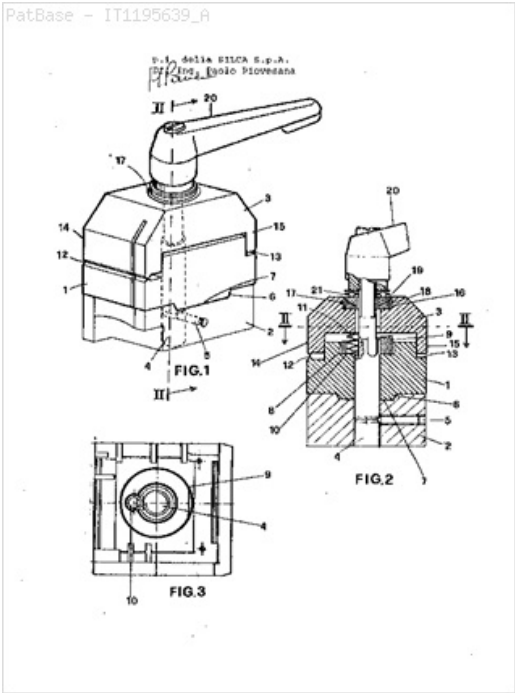
Search PN=(WO2015011095) (Results 1)

1:

Search [SP]: 1. a clamp (2) for key duplicating machines, comprising: a support (4) connected to an underlying structure of a key duplicating machine a pin (6) emerging upwards from said support (4) and having its upper end threaded and engagable by a clamping knob, a base of said support (4) presenting on its upper surface (24) a pair of parallel projections (22) positioned on opposite sides of said pin (6) a lower jaw (8) of square plan, positioned on said support (4) and having a central hole thereof engaged by said pin (6) such as to be able to rotate about an axis thereof, said lower jaw (8) being provided in its lower surface (14) with four grooves (16) disposed parallel to jaw sides and engagable in pairs with said projections (22) for each of four angular positions of said lower jaw (8) rotated 90 degrees apart about the axis of said pin (6) and an upper jaw (10) of square plan, having a central hole thereof engaged by said pin (6) such as to be able to rotate about the axis thereof, said upper jaw (10) cooperating with the lower jaw (8) to clamp a key interposed between the lower and upper jaws, wherein: said pair of projections is are shaped as cylindrical pegs (22) housed in depressed parallel seats (20) defined in the upper surface (24) of the support (4) such that at least one portion of each peg emerges from the upper surface (24) of the support, and when the clamp (2) is active, its lower jaw (8) rests only by two of the four grooves (16) on the two projections (22) of the support (4), while for a remaining part, the lower surface (14) is spaced from the upper surface (24) of the support (4). 2. the clamp as claimed in claim 1, wherein said four grooves (16) are of inverted v-shaped profile. 3. the clamp as claimed in claim 1, wherein facing surfaces of the lower and upper jaws (8, 10) are provided with ribs (12) complementary to longitudinal cuts present in the key to be clamped between the lower and upper jaws. 4. the clamp as claimed in claim 1, wherein the support (4) is of square plan with dimensions corresponding to dimensions of the lower and upper jaws (8, 10). 5. the clamp as claimed in claim 1, wherein said knob is arranged to act, against a reaction of a spring interposed between the lower and upper jaws (8, 10), to lock the lower and upper jaws (8, 10) together and to the support (4). (Results 9)

Title: MORSETTO PER MACCHINE DUPLICATRICI DI CHIAVI E SIMILI.

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B23C3/00 (Core/Invention);
B23P (Subclass/Invention)
International (IPC 1-7): B23P
CPC: B23C3/355
European: B23C3/35B



Family:

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Probable Assignee: SILCA SPA
Assignee(s): (std): SILCA SPA
Assignee(s): SILCA S P A
Inventor(s): (std): BIANCHI CAMILLO ; CAMILLO BIANCHI

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