

Title (en)
Support and grip device

Title (de)
Halte- und Greifvorrichtung

Title (fr)
Dispositif de préhension et de support

Publication
EP 2543953 A3 20150513 (EN)

Application
EP 12174824 A 20120703

Priority
IT BO20110401 A 20110706

Abstract (en)
[origin: EP2543953A2] A support and grip device (1), particularly for protective shields and the like. The device (1) comprises a receptacle (2) which accommodates a forearm (3) of a user, according to a predefined configuration, and a handle (4), which faces and is proximate to the receptacle (2) and has at least one portion (5) that can be held by the user to grip the shield (6) and the like. According to the invention, the at least one portion (5) of the handle (4) is arranged substantially along a direction that is inclined, i.e., forms an angle other than zero, with respect to a reference straight line. The reference straight line is parallel to the plane for anchoring to the shield (6) and perpendicular to the axis defined by the forearm (3). More specifically, the forearm (3) defines this axis when it is in the predefined configuration and is accommodated in the receptacle (2), with the hand (7) holding the handle (4), in a manner that conforms to the posture of the hand (7), according to ergonomic criteria.

IPC 8 full level
F41H 5/08 (2006.01)

CPC (source: EP)
F41H 5/08 (2013.01)

Citation (search report)
• [XA] DE 3142635 A1 19830505 - KOCH KARL HEINZ, et al
• [XA] US 5241703 A 19930907 - ROBERTS JOHN C [US], et al
• [XA] CN 201382741 Y 20100113 - XINLI HUANG
• [XA] CN 201382742 Y 20100113 - XINLI HUANG
• [A] CN 2723951 Y 20050907 - LI ZHENSHENG [CN]
• [A] DE 3709035 A1 19871119 - ROEMER GMBH [DE]

Cited by
US8939058B1; CN104236395A; CN105135949A

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

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BA ME

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