

Title (en)
SLIDING BAR BUCKLE

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EP 0211988 B1 19890726 (EN)

Application
EP 85110526 A 19850821

Priority
EP 85110526 A 19850821

Abstract (en)
[origin: EP0211988A1] A molded sliding bar buckle of the type comprising a strap retainer bar (10) slidably mounted on an open rectangular connector frame (1) having a grip base (2) and a connecting bar (4) on opposite sides of the strap retainer bar (10). The strap retainer bar (10) includes a central strap engagement portion (11) for retaining therearound one end portion of a strap and having on its back a sloped flat surface (15) facing away from the grip base (2). The sloped flat surface (15) has an upper end (15a) disposed adjacent to the connecting portion (4) and a lower end (15b) disposed adjacent to the grip base (2), the upper end (15a) lying in a plane (16) extending through a center of the thickness of the strap engagement portion (11). With this construction, when the strap is longitudinally tensioned with its one end portion (B) looped around the strap engagement portion (11), a tensioning force is transformed substantially into a force or a vector (P) acting on said plane (16) in a direction to tend to move the strap retainer bar (10) linearly toward the grip base (2). A component of the tensioning force which acts on the strap engagement portion (11) to rotate the strap retainer bar (10) is substantially negligible. Thus, the strap end (B) is held firmly against displacement.

IPC 1-7
A44B 11/10

IPC 8 full level
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Cited by
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