

Title (en)

Quick assembling/disassembling structure for motor handle module of electrical gear box

Title (de)

Schnellmontage-/demontagestruktur für ein Motorhebelmodul eines elektrischen Getriebes

Title (fr)

Structure de montage/démontage rapide pour module de gestion de moteur de boîte de vitesses électrique

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Application

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Priority

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Abstract (en)

[origin: EP2698593A1] The present invention relates to a quick assembling/disassembling structure for motor handle module of electrical gear box, which includes a firearm body (1), which is provided with a trigger (11) and is sideways connected to a grip (2) that forms a connection slot (21), and a snap-fitting element (3), which is rotatably mounted to the firearm body (1) and is set at a location adjacent one side of the trigger (11). The snap-fitting element (3) has an end forming a snap-fitting section (31) that is in retaining engagement with the connection slot (21). The firearm body (1) has an end forming a coupling section (12) coupled with the grip (2). The coupling section (12) has inside surfaces forming a guide section (13) and a connection section (22) is coupled with the coupling section (12). A motor (25) is provided with an elastic member (23). A user only needs to pull the snap-fitting element (3) to move the snap-fitting section (31) away from the connection slot (21) of the grip (2) in order to release the grip (2). On the other hand, when the grip (2) is coupled, in a sideways manner, to the firearm body (1), the arrangement of the guide section (13) helps reducing the interference between the gear mechanism (24, 16) so as to achieve easy replacement of components.

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