Title (en)
   Advanced weapons loader

Title (de)
   Ladevorrichtung für Waffen

Title (fr)
   Chargeur d'armes

Publication
   EP 1734329 A3 20080213 (EN)

Application
   EP 05472003 A 20050907

Priority
   US 93427804 A 20040903

Abstract (en)
   [origin: WO2006051425A2] A weapon handler for transporting weapons and loading weapons onto aircraft or other vehicles is disclosed. The weapons handler comprises a moveable base having longitudinal, lateral and vertical axes, an articulated cradle comprising one or more cradle members, and a weapons carousel rotatable about the longitudinal axis and adapted to hold a plurality of weapons, and a plurality of articulating members connecting the moveable base to the one or more cradle members. The articulating members are adapted to translate the articulated cradle relative to moveable base along the lateral, longitudinal, and vertical axes. According to another embodiment, a weapon gripper for weapon handling system is disclosed. The weapon gripper comprises at least three contact surfaces, and a moveable linkage adapted to selectively move at least one of the at least three contact surfaces from a first position in which the at least three contact surfaces geometrically enclose a weapon, to a second position in which the at least three contact surfaces geometrically release the weapon.

IPC 8 full level
   F41A 9/87 (2006.01)

CPC (source: EP)
   F41A 9/87 (2013.01)

Citation (search report)
   • [XY] US 5451134 A 19950919 - BRYFOGLE MARK D [US]
   • [X] US 3087630 A 19630430 - PAUL KARNOW, et al
   • [XY] US 2785807 A 19570319 - PROWINSKY JOSEPH H
   • [Y] US 3095981 A 19630702 - THORSON JOHN R
   • [Y] US 2004062630 A1 20040401 - MARRERO LOU [US]
   • [Y] US 3067884 A 19621211 - WILLIAMS IRA E
   • [Y] US 5083892 A 19920128 - OSWALD NORMAN D [US], et al

Cited by
   CN104192320A; ES2355225A1

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