

Title (en)
Advanced weapons loader

Title (de)
Ladevorrichtung für Waffen

Title (fr)
Chargeur d'armes

Publication
EP 1734329 A2 20061220 (EN)

Application
EP 05472003 A 20050907

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US 93427804 A 20040903

Abstract (en)
A weapon handler (100) for transporting weapons and loading weapons onto aircraft or other vehicles is disclosed. The weapons handler (100) comprises a moveable base (102) having longitudinal (104), lateral (106) and vertical (108) axes, an articulated cradle (138) 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 (138) relative to moveable base along the lateral (106), longitudinal (104), and vertical (108) axes. According to another embodiment, a weapon gripper (400) for a weapon handling system is disclosed. The weapon gripper (400) 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)
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Citation (applicant)
• US 4213624 A 19800722 - SANDERS RALPH K [US]
• US 4447186 A 19840508 - RENFRO VERNON E [US], et al
• US 5083892 A 19920128 - OSWALD NORMAN D [US], et al
• US 3746112 A 19730717 - ILON B
• US 3876255 A 19750408 - ILON BENGT ERLAND
• US 4598782 A 19860708 - ILON BENGT E [SE]
• US 4907692 A 19900313 - SOGGE JOHN W [US]
• US 4981209 A 19910101 - SOGGE JOHN W [US]
• US 5701966 A 19971230 - AMICO PETER [US]
• US 6134734 A 20001024 - MARRERO LOU [US]

Cited by
CN104192320A; ES2355225A1

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