

Title (en)
Loading aircraft stores

Title (de)
Laden von Flugzeugen

Title (fr)
Chargements d'aéronefs

Publication
EP 1092671 A2 20010418 (EN)

Application
EP 00305830 A 20000711

Priority
• GB 9917195 A 19990723
• GB 9928224 A 19991201

Abstract (en)
The invention is concerned with a tricycle vehicle (Fig.7) for the conveyance of large and heavy items, as 17, to be supported on a detachable cradle 15 forming part of said vehicle, for presentation of such item for capture at an aircraft pylon station at a sub-wing level of the aircraft. The vehicle has trolley parts 11, 13, which engage the cradle 15 fore and aft. The trolley 11 has a steerable ground wheel and a jack arrangement for raising and lowering the front end of the cradle as required and the trolley 13 has two transversely spaced ground wheels and associated jacking arrangements for independent vertical movement of the rear end of the cradle at either side. The vehicle has means adjustable and/or detachable such as to enable the vehicle to adopt a variety of configurations calculated to facilitate the extraction of the vehicle from beneath the aircraft notwithstanding the presence of obstructions occasioned by changes in aircraft geometry resulting from the attachment of the load to the pylon station. <IMAGE>

IPC 1-7
B66F 7/02; B64F 1/32; B64D 7/00

IPC 8 full level
F41A 9/87 (2006.01)

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

Cited by
CN102874414A; CN107054684A; CN103837158A; US2022041416A1; US11912437B2

Designated contracting state (EPC)
DE ES FR IT

DOCDB simple family (publication)
EP 1092671 A2 20010418; **EP 1092671 A3 20011205**; **EP 1092671 B1 20050302**; DE 60018348 D1 20050407

DOCDB simple family (application)
EP 00305830 A 20000711; DE 60018348 T 20000711