

Title (en)
Self leveling integrated lifting device

Title (de)
Selbstnivellierende Hubvorrichtung

Title (fr)
Dispositif de levage autonivellant

Publication
EP 1334947 B1 20060927 (EN)

Application
EP 02425657 A 20021030

Priority
• CA 2427405 A 20030501
• IT RM20010646 A 20011102

Abstract (en)
[origin: EP1334947A2] This self-leveling device is employed in the field of lifting of aircraft, helicopters, civil and military flying vehicles, watercraft, camping vehicles, trains, bridges, radar, etc., and for all those activities that require self-leveling and centring during lifting and lowering operations with fast results, without damages to the structure and in perfect safety (eg.: for helicopter lifting, for internal load balance, for safety during take-off and landing). The device is composed of a number of electromechanical lifting groups (Fig.01) that operate synchronistically and autonomously from one another, linked with an electronic central general control (Fig.12) for operation and a leveling cell (Fig.05). The whole system provides perfect self-leveling in case of unstable ground, for weighing and leveling purposes, targeting, weight balance, maintenance, etc. <IMAGE>

IPC 8 full level
B66F 3/46 (2006.01)

CPC (source: EP)
B66F 3/46 (2013.01)

Citation (examination)
• IT 1286320 B1 19980708 - MAGGIORI ROBERTO [IT]
• EP 0538208 A1 19930421 - MAGGIORI ENZO [IT]

Cited by
CN102880100A; CN109443641A; CN103874650A; EP3718950A1; WO2005066062A1; WO2013029591A1; WO2007113891A3; WO2007113891A2; US8567762B2

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DOCDB simple family (application)
EP 02425657 A 20021030; AT 02425657 T 20021030; CA 2427405 A 20030501; CY 061101744 T 20061205; DE 60214966 A 20021030; DE 60214966 T 20021030; DK 02425657 T 20021030; ES 02425657 T 20021030; IT RM20010646 A 20011102