

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 (publication)  
**EP 1334947 A2 20030813; EP 1334947 A3 20041124; EP 1334947 B1 20060927**; AT E340759 T1 20061015; CA 2427405 A1 20041101; CA 2427405 C 20131210; CY 1106277 T1 20111012; DE 60214966 D1 20061109; DE 60214966 T2 20070329; DE 60214966 T4 20100218; DK 1334947 T3 20070205; ES 2273990 T3 20070516; IT RM20010646 A0 20011102; IT RM20010646 A1 20030502

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