

Title (en)
Hoist.

Title (de)
Hebezeug.

Title (fr)
Dispositif de levage.

Publication
EP 0131380 A1 19850116 (EN)

Application
EP 84303847 A 19840607

Priority
JP 8968283 U 19830610

Abstract (en)
The present invention relates to a hoist having a drive shaft 4 rotatably mounted inside a tubular shaft 3 having a load sheave 2 and transmits a driving force from the drive shaft 4 to the load sheave 2 through a reduction gear means 5. According to the present invention the drive shaft 4 is provided at the outer periphery of one axial end with a first gear 51 formed integrally therewith, the first gear 51 having at its axially inward portion a flange 42 connected directly thereto and extended radially outwardly of the drive shaft 4.

IPC 1-7
B66D 3/16; **B66D 3/26**

IPC 8 full level
B66D 1/14 (2006.01); **B66D 3/16** (2006.01); **B66D 3/26** (2006.01)

CPC (source: EP)
B66D 3/16 (2013.01); **B66D 3/26** (2013.01)

Citation (search report)
• [A] US 1949920 A 19340306 - ROBERTSON ROBERT M
• [A] US 4221364 A 19800909 - NISHIMURA YOSAKU
• [A] DE 2422959 B2 19780105
• [A] US 1492581 A 19240506 - SIMPSON WILLIAM E
• [A] US 2324000 A 19430713 - JOHNSTON RAYMOND H

Cited by
SG86322A1; EP0878435A3; EP0602946A1; US5556078A; EP0631972A1; US5544863A; CN1063406C; BE1008729A3; EP0324127A3; US10053342B2

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0131380 A1 19850116; **EP 0131380 B1 19871104**; DE 3467145 D1 19871210; JP S59195193 U 19841225; KR 890003657 Y1 19890531

DOCDB simple family (application)
EP 84303847 A 19840607; DE 3467145 T 19840607; JP 8968283 U 19830610; KR 840005419 U 19840609