

Title (en)
IMPROVEMENTS IN OR RELATING TO WINCHES.

Title (de)
VERBESSERUNGEN AN WINDEN.

Title (fr)
AMELIORATIONS EN MATIERE DE TREUILS.

Publication
EP 0150187 A1 19850807 (EN)

Application
EP 84901789 A 19840427

Priority
GB 8311454 A 19830427

Abstract (en)
[origin: WO8404291A1] A winch comprises a capstan (2) provided with a plurality of circumferential grooves (11). The grooves (11) comprise a high friction material and the density of the material of each groove (11) is different, so that the coefficient of friction of the cable bearing surface increases from the load end to the tail end of the capstan (2).

Abstract (fr)
Un treuil comporte un cabestan (2) doté d'une pluralité de rainures périphériques (11). Les rainures (11) comportent un matériau à frottement élevé et la densité du matériau de chaque rainure (11) est différente, si bien que le coefficient de frottement de la surface portant le câble augmente de l'extrémité de charge à l'extrémité de queue du cabestan (2).

IPC 1-7
B66D 1/74

IPC 8 full level
B66D 1/74 (2006.01); **B66D 3/06** (2006.01)

CPC (source: EP)
B66D 1/7405 (2013.01)

Designated contracting state (EPC)
AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)
WO 8404291 A1 19841108; AT E32598 T1 19880315; AU 2867084 A 19841119; AU 588217 B2 19890914; BR 8406815 A 19850319; CA 1246540 A 19881213; DD 218340 A5 19850206; DE 3469433 D1 19880331; DK 153021 B 19880606; DK 627384 A 19841221; DK 627384 D0 19841221; EP 0150187 A1 19850807; EP 0150187 B1 19880224; FI 78053 B 19890228; FI 78053 C 19890612; FI 845058 A0 19841220; FI 845058 L 19841220; GB 2138768 A 19841031; GB 2138768 B 19860423; GB 8311454 D0 19830602; GB 8410905 D0 19840606; HU 195162 B 19880428; HU T34930 A 19850528; IL 71687 A0 19840731; IL 71687 A 19871231; IN 160709 B 19870801; IT 1174524 B 19870701; IT 8420732 A0 19840427; IT 8420732 A1 19851027; JP S60501156 A 19850725; NO 844918 L 19841207; RO 94168 A 19880630; RO 94168 B 19880701; ZA 843155 B 19841224

DOCDB simple family (application)
GB 8400144 W 19840427; AT 84901789 T 19840427; AU 2867084 A 19840427; BR 8406815 A 19840427; CA 453196 A 19840427; DD 26241284 A 19840427; DE 3469433 T 19840427; DK 627384 A 19841221; EP 84901789 A 19840427; FI 845058 A 19841220; GB 8311454 A 19830427; GB 8410905 A 19840427; HU 241984 A 19840427; IL 7168784 A 19840427; IN 314MA1984 A 19840430; IT 2073284 A 19840427; JP 50179484 A 19840427; NO 844918 A 19841207; RO 11690084 A 19841225; ZA 843155 A 19840427