

Title (en)
Winch handle.

Title (de)
Handkurbel für Winde.

Title (fr)
Manivelle de treuil.

Publication
EP 0552403 A1 19930728 (EN)

Application
EP 92111558 A 19920708

Priority
US 82384692 A 19920122

Abstract (en)
A manually operated winch crank is characterized by a crank arm (10) having a shaft (16) extending at right angles to the arm (10), a tubular handle (22) rotatably mounted on the shaft (16), and a reduced height knob (28) rotatably mounted above the tubular handle (22). The tubular handle (22) is manually operated with the palm parallel to the axis of rotation, and the knob (28) is operated with the palm perpendicular to the axis of rotation.
<IMAGE>

IPC 1-7
B66D 1/74

IPC 8 full level
B66D 1/74 (2006.01)

CPC (source: EP)
B66D 1/7468 (2013.01)

Citation (search report)
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• [A] GB 2179011 A 19870225 - COX PETER NORMAN
• [A] FR 906 E 19030423 - BONNARD EUGENE [FR]
• [A] US 4883255 A 19891128 - BACON WALTER H [US]
• [A] US 3536299 A 19701027 - MCCLOUD ROBERT A, et al

Designated contracting state (EPC)
DE DK FR GB IT NL SE

DOCDB simple family (publication)
EP 0552403 A1 19930728; EP 0552403 B1 19950906; AU 1835692 A 19930729; AU 648900 B2 19940505; DE 552403 T1 19941103; DE 69204648 D1 19951012; DE 69204648 T2 19960321; DE 9218571 U1 19940929; DK 0552403 T3 19951106; NZ 243185 A 19940427

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EP 92111558 A 19920708; AU 1835692 A 19920617; DE 69204648 T 19920708; DE 92111558 T 19920708; DE 9218571 U 19920708; DK 92111558 T 19920708; NZ 24318592 A 19920617