

Title (en)
Crane

Title (de)
Kran

Title (fr)
Grue

Publication
EP 0943578 A2 19990922 (EN)

Application
EP 99105550 A 19990318

Priority
JP 7051198 A 19980319

Abstract (en)
A fleet angle of a rope is suppressed to be small while employing a side drum type in which a winch drum is installed sideways of a boom. A drum arranging plane A which is a plane perpendicular to a drum shaft 6a passing through an axial center point Wo of a winch drum shaft 6a is inclined with respect to a boom moving plane so that a rope contact of a main guide sheave 8 includes two points P1 and P2 formed on a boom moving plane B by the raising and lowering of a boom 2. <IMAGE>

IPC 1-7
B66C 23/62; **B66D 1/36**

IPC 8 full level
B66C 23/88 (2006.01); **B66C 23/62** (2006.01); **B66D 1/36** (2006.01)

CPC (source: EP KR)
B66C 23/42 (2013.01 - KR); **B66C 23/62** (2013.01 - EP); **B66D 1/36** (2013.01 - EP)

Cited by
EP1767486A3; CN102659043A; US7506774B2; US10926982B2

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EP 0943578 A2 19990922; **EP 0943578 A3 20020911**; JP 3436118 B2 20030811; JP H11263591 A 19990928; KR 100301942 B1 20010922; KR 19990077947 A 19991025

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EP 99105550 A 19990318; JP 7051198 A 19980319; KR 19990008911 A 19990317