

Title (en)
Method for operating a crane

Title (de)
Verfahren für Kranbedienung

Title (fr)
Procédé pour opération d'une grue

Publication
EP 1314681 B1 20070117 (EN)

Application
EP 02025515 A 20021113

Priority
JP 2001352233 A 20011116

Abstract (en)
[origin: EP1314681A1] A method for operating a crane including a jib (2) from which a cargo (G) is hung via a rope includes a hypothetical rope length setting step; a hypothetical acceleration pattern operation step is operated to ensure the swing of the cargo is stopped at the target position (B); a rope length change obtaining step in which a change in an actual length (λ) of the rope member is obtained; a jib point acceleration pattern operation step is operated so that an acceleration pattern for the swing angle of the rope matches the hypothetical acceleration pattern; and a jib moving step in which the jib point is linearly moved. Additionally arcuate paths for moving the cargo are disclosed which touch the minimum operating radius for the crane, and a method to determine whether the path should be linear or an arc. <IMAGE>

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B66C 13/063 (2013.01); **B66C 13/48** (2013.01)

Cited by
CN103723629A; EP4253303A4; US7850024B2; CN110436347A; US2010094464A1; US8364289B2; EP4169865A4; US7426423B2; WO2004106215A1

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