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EP 0578280 A3 19940302

Application
EP 93113406 A 19910717

Priority
- EP 91401997 A 19910717
- FR 9009145 A 19900718

Abstract (en)
[origin: EP0467783A1] The method makes it possible to control the movement of a swinging load suspended from a support which is horizontally mobile and moved from a departure point to an arrival point during a journey of predetermined duration (T). The movable support (40) is subject to a support movement law x(t) determined such that the movement of the swinging load (20) is regulated by a load movement law X(t) satisfying the following conditions: X''(t) is continuous and derivable according to the time variable t, X''(t) = 0 and X'''(t) = 0 for t>/=T. Use especially for port lifting engines such as cranes, gantries for buckets or for containers. <IMAGE>

IPC 1-7
B66C 13/06

IPC 8 full level
B66C 13/06 (2006.01); **B66C 13/46** (2006.01)

CPC (source: EP)
B66C 13/063 (2013.01); **B66C 13/46** (2013.01)

Citation (search report)
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- [A] WO 8602341 A1 19860424 - BERTIN & CIE [FR]
- [A] DE 2751823 A1 19780601 - ASEA AB
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- [A] P. VÄHÄ ET AL.: "Conventional and optimal control in swing-free transfer of suspended load.", IEEE INTERNATIONAL CONFERENCE ON CONTROL AND APPLICATIONS PROCEEDINGS., no. WA35, 3 April 1989 (1989-04-03), NEW YORK (US), pages 1 - 5, XP000090590

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EP0869096A3; CN102066231A; EP3653562A1; CN111196557A; US8651301B2; US11334027B2; WO2009156573A1

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EP 0467783 A1 19920122; DE 467783 T1 19920723; DE 578280 T1 19941006; DE 69119913 D1 19960704; DE 69119913 T2 19961219; EP 0578280 A2 19940112; EP 0578280 A3 19940302; EP 0578280 B1 19960529; ES 2029975 T1 19921016; ES 2090795 T3 19961016; FR 2664885 A1 19920124; FR 2664885 B1 19950804; GR 920300044 T1 19920826

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