

Title (en)

Pending charge movement control procedure and arrangement for implementing the same

Title (de)

Verfahren zum Steuern der Ortsveränderung einer pendelartigen Last und Vorrichtung um dieses in Angriff zu nehmen

Title (fr)

Procédé de contrôle de déplacement d'une charge pendulaire et dispositif pour sa mise en oeuvre

Publication

EP 0578280 B1 19960529 (FR)

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 $t \geq T$. Use especially for port lifting engines such as cranes, gantries for buckets or for containers. <IMAGE>

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B66C 13/06

IPC 8 full level

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CPC (source: EP)

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Cited by

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

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