

Title (en)  
Lifting device

Title (de)  
Hebezeug

Title (fr)  
Engin de levage

Publication  
**EP 1514832 A1 20050316 (FR)**

Application  
**EP 03405677 A 20030915**

Priority  
EP 03405677 A 20030915

Abstract (en)  
The machinery has counter-weights (100) moving in a curvilinear guiding path (1) arranged opposite a boom. Slope variation of the path is chosen such that the counter-weights exert a variable traction on the boom through a hold back (11). The traction assists deployment/folding movement of the boom in articulated or inclinable working mode and/or change of conformation of the boom associated to a change of working mode.

Abstract (fr)  
Engin de levage et de manutention de charges à flèche distributrice orientable comprenant un pylône avec un pivot tournant, une flèche (10) montée en articulation au sommet du pylône par un axe de rotation horizontal (27), un ensemble de retenue de flèche comprenant un poinçon (7), une élingue de retenue (11) de flèche et un contrepoids mobile relié à la flèche par l'élingue de retenue. Le contrepoids (100) est asservi à suivre une voie de roulement curviligne (1) agencée à l'opposé de la flèche, dont les variations de pente ( $\alpha$ ) sont choisies de sorte que le contrepoids exerce, une traction variable sur ladite flèche. <IMAGE>

IPC 1-7  
**B66C 23/76**; **B66C 23/68**

IPC 8 full level  
**B66C 23/68** (2006.01); **B66C 23/76** (2006.01)

CPC (source: EP US)  
**B66C 23/68** (2013.01 - EP US); **B66C 23/76** (2013.01 - EP US)

Citation (search report)

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