Title (en)
A CRANE CONTROL METHOD

Title (de)
KRANSTEUERUNGSVERFAHREN

Title (fr)
PROCEDE DE COMMANDE D'UNE GRUE

Publication
EP 0583268 B1 19960710 (EN)

Application
EP 92908714 A 19920410

Priority
- FI 9200111 W 19920410
- FI 911757 A 19910411

Abstract (en)
[origin: WO9218416A1] The object of the invention is a method of controlling a crane or a similar apparatus, utilized e.g. in controlling an overhead crane, wherein the crane attendant applies velocity request (Vref) from the control system of the crane to the operating means of the crane as control sequences and the velocity requests (Vref) applied by the attendant are read into the control system. To improve controllability of the crane, the velocity request (Vref) is compared to the previous velocity request and if the velocity request has changed, an accelerating sequence for the corresponding change in velocity is provided, subsequently storing the resultant accelerating sequence, whereafter, or if the velocity request remains unchanged, the changes in velocity determined by the stored accelerating sequences at a given time are added up and this sum (dV) is added to the previous velocity request (Vref), the resultant sum providing a new velocity request (Vref2), which is set as a new control command and velocity request (Vref2) for the operating means of the crane.

IPC 1-7
B66C 13/06

IPC 8 full level
B66C 13/22 (2006.01); **B66C 13/06** (2006.01)

CPC (source: EP)
B66C 13/063 (2013.01)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI NL SE

DOCDB simple family (publication)
WO 9218416 A1 19921029; AT E140206 T1 19960715; AU 1571792 A 19921117; AU 655981 B2 19950119; BR 9205874 A 19940705; CA 2107997 A1 19921012; CA 2107997 C 19951017; DE 69212152 D1 19960814; DE 69212152 T2 19970213; DK 0583268 T3 19961028; EP 0583268 A1 19940223; EP 0583268 B1 19960710; ES 2091462 T3 19961101; FI 89155 B 19930514; FI 89155 C 19930825; FI 911757 A0 19910411; FI 911757 A 19921012; GR 3021272 T3 19970131; JP 3132757 B2 20010205; JP H06506655 A 19940728; KR 100193025 B1 19990615; NO 307777 B1 20000529; NO 933631 D0 19931008; NO 933631 L 19931210; RU 2093451 C1 19971020

DOCDB simple family (application)
FI 9200111 W 19920410; AT 92908714 T 19920410; AU 1571792 A 19920410; BR 9205874 A 19920410; CA 2107997 A 19920410; DE 69212152 T 19920410; DK 92908714 T 19920410; EP 92908714 A 19920410; ES 92908714 T 19920410; FI 911757 A 19910411; GR 960402624 T 19961007; JP 50767192 A 19920410; KR 930703072 A 19931011; NO 933631 A 19931008; RU 93058295 A 19920410