

Title (en)  
CRANE CONTROL SYSTEM.

Title (de)  
REGELUNGSVERFAHREN FÜR EINEN KRAN.

Title (fr)  
SYSTEME DE COMMANDE DE GRUES.

Publication  
**EP 0394412 B1 19940105 (DE)**

Application  
**EP 89911815 A 19891018**

Priority  
DE 3835522 A 19881019

Abstract (en)  
[origin: EP0364994A1] A single-channel, stored-program control system (1) is disclosed for controlling slewing cranes. Motion and/or load-limiting data for a hoisting gear (7) and motion-limiting data for a boom drive (11) are stored in a memory (5). Measurement sensors (13, 17) that generate measurement signals proportional to the motion or load are connected with the hoisting gear (7) and boom drive (11). The stored-program control (1) controls the hoisting gear (7) and the boom drive (11) depending on the stored limiting values and the measurement signals from the measurement sensors (13, 17). Finally, means (45) for cyclically self-testing the stored-program control (1) are disclosed. This crane control system requires relatively little equipment and is very fail-safe.

IPC 1-7  
**B66C 23/90**

IPC 8 full level  
**B66C 23/90** (2006.01)

CPC (source: EP)  
**B66C 23/905** (2013.01)

Designated contracting state (EPC)  
CH DE FR GB LI

DOCDB simple family (publication)  
**EP 0364994 A1 19900425**; CA 2001046 A1 19900419; DE 3835522 A1 19900503; DE 58906647 D1 19940217; EP 0394412 A1 19901031; EP 0394412 B1 19940105; WO 9004564 A1 19900503

DOCDB simple family (application)  
**EP 89119357 A 19891018**; CA 2001046 A 19891019; DE 3835522 A 19881019; DE 58906647 T 19891018; EP 8901245 W 19891018; EP 89911815 A 19891018