

Title (en)  
Method for protecting a mobile crane against an overload

Title (de)  
Verfahren zur Überlastsicherung eines mobilen Kranes

Title (fr)  
Procédé pour protéger une grue mobile contre une surcharge

Publication  
**EP 1153876 B1 20061115 (DE)**

Application  
**EP 01110674 A 20010502**

Priority  
DE 10023418 A 20000512

Abstract (en)  
[origin: EP1153876A2] Method involves placing component-specific geometric data in memory, selecting desired equipment state, compiling a physical simulation model from selected data in a control computer, entering real measurement data from force and position sensors on crane, computing the geometric data, center of gravity data and forces then switch-off value and switching the crane off if the threshold is reached.

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

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

Cited by  
EP1748021A3; CN102452618A; CN112069698A; DE102012025111A1; US9126812B2; US9957141B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1153876 A2 20011114; EP 1153876 A3 20050323; EP 1153876 B1 20061115**; AT E345308 T1 20061215; DE 10023418 A1 20011115; DE 50111435 D1 20061228; ES 2275580 T3 20070616; JP 2002003176 A 20020109; JP 5049430 B2 20121017; US 2002013666 A1 20020131; US 6587795 B2 20030701

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**EP 01110674 A 20010502**; AT 01110674 T 20010502; DE 10023418 A 20000512; DE 50111435 T 20010502; ES 01110674 T 20010502; JP 2001142868 A 20010514; US 85404501 A 20010511