

Title (en)  
Level luffing crane

Title (de)  
Wippkran

Title (fr)  
Grue à portée variable

Publication  
**EP 1031531 A3 20040616 (DE)**

Application  
**EP 99125403 A 19991220**

Priority  
DE 19908485 A 19990226

Abstract (en)  
[origin: EP1031531A2] The counterpoise drive which engages on either the crane base (15) or boom arm (13) has at least one piston/cylinder hydraulic force device which engages between the two articulated connections (25, 27). The hydraulic force device (29) is arranged above the swivel axis and is connected to the crane base and boom rigid against both tensile force and compressive force. The hydraulic force device has mechanical end stops between its cylinder (31) and its piston (33) displaceable therein.

IPC 1-7  
**B66C 23/82**; **B66C 23/76**

IPC 8 full level  
**B66C 23/76** (2006.01); **B66C 23/82** (2006.01); **B66C 23/92** (2006.01)

CPC (source: EP)  
**B66C 23/76** (2013.01); **B66C 23/82** (2013.01); **B66C 23/92** (2013.01)

Citation (search report)

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

DOCDB simple family (publication)  
**EP 1031531 A2 20000830**; **EP 1031531 A3 20040616**; DE 19908485 A1 20000831

DOCDB simple family (application)  
**EP 99125403 A 19991220**; DE 19908485 A 19990226