

Title (en)  
CRANE

Publication  
**EP 0386632 A3 19910102 (DE)**

Application  
**EP 90104003 A 19900301**

Priority  
AT 53589 A 19890309

Abstract (en)  
[origin: EP0386632A2] A crane is described on which an operating mode can be set in which the sliding arm (1) is braked by the rope winch (2) when the sliding arm (1) is extended but the rope winch (2) is braked by the sliding arm (1) when the sliding arm (1) is retracted, in the course of which a pressure-relief valve (10 or 11) in the hydraulic circuit of the sliding arm (1) or the rope winch (2) in each case limits the tension in the rope (3). <IMAGE>

IPC 1-7  
**B66C 23/12**

IPC 8 full level  
**B66C 23/12** (2006.01); **B66C 23/62** (2006.01); **B66C 23/70** (2006.01)

CPC (source: EP)  
**B66C 23/54** (2013.01); **B66C 23/701** (2013.01)

Citation (search report)

- [A] FR 2487801 A1 19820205 - CREUSOT LOIRE [FR]
- [A] DE 3011869 A1 19811001 - GOTTWALD KG LEO [DE]
- [A] DE 3401558 A1 19850725 - BACHER HEINZ, et al
- [A] US 3721054 A 19730320 - HORNAGOLD J
- [A] DE 2811619 A1 19791004 - MAK MASCHINENBAU GMBH
- [A] US 3601259 A 19710824 - OLSON JOHN E
- [A] US 3701439 A 19721031 - LADO WILLIAM J

Cited by  
CN102424330A; CN105645282A; US8113363B2; WO2008134783A1

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