

Title (en)

Oil delivery system in the equilibration circuit of a variable reach jib crane

Title (de)

Olzuführvorrichtung in der hydraulischen Ausgleichleitung von einem verstellbaren Kranausleger

Title (fr)

Système d'apport d'huile dans la ligne d'équilibrage d'une flèche de grue à portée variable

Publication

**EP 1348666 B1 20070228 (FR)**

Application

**EP 03290769 A 20030327**

Priority

FR 0203879 A 20020328

Abstract (en)

[origin: EP1348666A1] Oil supply line (13) connects an oil supply pump (11) and the hydraulic balancing line (9) with said supply line having an electric control valve (15). Position sensors (17, 18) are placed respectively on the auxiliary arm (4) and on the principal arm (3) neighboring the articulation of the beam (5) of the counter weight. If the auxiliary arm is detected in its pendulum position, while the beam of the counter weight is not yet detected in its vertical position, the electric valve is commanded by an automat (16) and extra oil is supplied to a jack (8) to place the beam in a vertical position.

IPC 8 full level

**B66C 23/72** (2006.01); **B66C 23/10** (2006.01)

CPC (source: EP US)

**B66C 23/72** (2013.01 - EP US)

Cited by

CN110291035A; CN111350935A; CN103407915A

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DOCDB simple family (publication)

**EP 1348666 A1 20031001**; **EP 1348666 B1 20070228**; AT E355252 T1 20060315; DE 60312067 D1 20070412; DE 60312067 T2 20071115; DK 1348666 T3 20070702; ES 2282581 T3 20071016; FR 2837808 A1 20031003; FR 2837808 B1 20041029; JP 2003292288 A 20031015; JP 3845069 B2 20061115; US 2003192849 A1 20031016; US 6860395 B2 20050301

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