

Title (en)
SUPPORT BOOMS FOR MOBILE WORKING MACHINES AND MOBILE CONCRETE PUMP WITH SAID SUPPORT BOOMS

Title (de)
STÜTZAUSLEGER FÜR FAHRBARE ARBEITSMASCHINEN UND AUTOBETONPUMPE MIT SOLCHEN STÜTZAUSLEGERN

Title (fr)
STABILISATEURS POUR MACHINES DE TRAVAIL ROULANTES ET BETONNIERE COMPORTANT DE TELS STABILISATEURS

Publication
EP 1299598 A2 20030409 (DE)

Application
EP 01945197 A 20010526

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• EP 0106032 W 20010526

Abstract (en)
[origin: US2003038466A1] The invention relates to a support boom for mobile working machines, especially for mobile concrete pumps. The support strut (20) has a strut body (38) that can be pivoted around a vertical pivoting axis (32) on a chassis (10), a telescopic part (40) that can be telescopically displaced relative to the body of the strut, a dual-acting hydraulic cylinder (42) that passes through the body of the strut (38) and the telescopic part (40), in addition to a foot part (26) that can be displaced vertically and is arranged on the outboard end of the telescopic part (40). Both ends of the telescopic hydraulic cylinder (42) are fixed on fixing points (46, 50) in the area of the opposite ends of the body of the strut (39/8) and the telescopic part (40). In order to reduce the required space in the transport position and during deployment of the support boom while ensuring stable support, the vertical pivoting axis (32) is defined by a divided bearing or journal location arranged at an axial distance (S) from the inboard fixing point (46) in the direction of the foot part on the body of the boom (38), said location being positioned in such a way that it transects the displacement axis (52) of the hydraulic cylinder (42) transversely.

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E02B 1/00

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Citation (search report)
See references of WO 0208522A2

Cited by
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US 2003038466 A1 20030227; **US 6840540 B2 20050111**; AT E260374 T1 20040315; CN 1225398 C 20051102; CN 1440364 A 20030903; DE 10032622 A1 20020117; DE 50101566 D1 20040401; EP 1299598 A2 20030409; EP 1299598 B1 20040225; ES 2213704 T3 20040901; JP 2004504241 A 20040212; JP 4035442 B2 20080123; KR 100748781 B1 20070813; KR 20030011830 A 20030211; TR 200400646 T4 20040621; WO 0208522 A2 20020131; WO 0208522 A3 20020418

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