

Title (en)  
Lift apparatus having an articulated double parallelogram boom assembly

Title (de)  
Hebegerät mit einem Gelenkausleger in Form eines Doppeparallelogramms

Title (fr)  
Appareil de levage comprenant un bras articulé à double parallélogramme

Publication  
**EP 1340711 A1 20030903 (EN)**

Application  
**EP 03009866 A 19980127**

Priority  
• EP 98101372 A 19980127  
• US 3710597 P 19970131

Abstract (en)  
A lift apparatus includes a superstructure frame support (1), a riser (6), and an articulated parallelogram boom assembly (5) operatively connected between the superstructure frame support (1) and the riser (6). The articulated parallelogram boom assembly (5) includes a floating frame (11), a lower parallelogram boom assembly (9, 10) operationally connected between the superstructure frame support (1) and the floating frame (11), an upper parallelogram boom assembly (16, 17) operationally connected between the floating frame (11) and the riser (6), and a lift mechanism (21) for raising and lowering the articulated parallelogram boom assembly (5). The lower parallelogram boom assembly (9, 10), the upper parallelogram boom assembly (16, 17), and the lift mechanism (21) are formed such that the maximum extension height of the articulated parallelogram boom assembly (5) is increased without an increase in the height of the articulated parallelogram boom assembly (5) when lowered. <IMAGE>

IPC 1-7  
**B66F 11/04**

IPC 8 full level  
**B66F 11/04** (2006.01)

CPC (source: EP)  
**B66F 11/046** (2013.01)

Citation (search report)  
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