

Title (en)
HIGH VISIBILITY LIFT APPARATUS

Publication
EP 0061451 B1 19860423 (EN)

Application
EP 81901362 A 19801003

Priority
US 8001326 W 19801003

Abstract (en)
[origin: WO8201181A1] Apparatus (10) for lifting or moving loads require high operator visibility and simplicity of construction. For example, in a mast assembly (10) such as can be used on a fork lift truck or other cargo handler it is desirable to maximize visibility through spaced-apart uprights (16, 18, 24, 26). Also, free lift of a carriage (14) which engages the load will maximize visibility in that the movable uprights (16, 18) will not be elevated above the fixed uprights (24, 26) when raising the carriage (14) to move the load. In the apparatus (10), first and second lifting elements (32, 34) or jacks (36, 38) are mounted adjacent the uprights (16, 24; 18, 26) for visibility. The lifting elements (32, 34) are interconnected by a load sharing member (48) for free lift and to distribute the forces encountered in raising the load more equally between the lifting elements (32, 34) and the chains (52', 52'').

IPC 1-7
B66B 9/20; B66F 9/08

IPC 8 full level
B66F 9/08 (2006.01)

CPC (source: EP)
B66F 9/08 (2013.01)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 8201181 A1 19820415; DE 3071579 D1 19860528; EP 0061451 A1 19821006; EP 0061451 A4 19830516; EP 0061451 B1 19860423; JP S57501477 A 19820819

DOCDB simple family (application)
US 8001326 W 19801003; DE 3071579 T 19801003; EP 81901362 A 19801003; JP 50173081 A 19801003