

Title (en)
LOAD LIFTING CARRIAGE AND MAST ASSEMBLY.

Title (de)
LASTHUBWAGEN UND GERÜSTANORDNUNG.

Title (fr)
ENSEMBLE DE CHARIOT ET DE MAT DE LEVAGE DE CHARGE.

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Application
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Abstract (en)
[origin: WO8103014A1] A carriage and mast assembly (10) including a mast (16) having outer sides (R, L) and a first pair (36, 38) of movable inner uprights and a second pair (20, 22) of fixed outer uprights, a load lifting carriage (12), a pair (48, 50) of free lift cylinders being directly connected to the first pair (36, 38) of uprights and to the load lifting carriage (12), a pair (52, 54) of mast lift cylinders being connected to the first pair (36, 38) of uprights and to the second pair (20, 22) of uprights, each pair (48, 50) (52, 54) of cylinders being disposed at the outer sides (R, L), and a pair (98) of means for communicating fluid between one (50) of the free lift cylinders (48, 50) and one (54) of the mast lift cylinders (52, 54), respectively. The invention relates to load lifting carriage and mast assemblies (10) having a free lift carriage (12). The problems of using lift chains and sheaves to free lift the carriage (12) and operator visibility through the mast (16) are avoided by directly connecting the free lift cylinders (48, 50) to the carriage (12) and mast (16) and disposing these cylinders (48, 50) outside the mast (16).

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