

Title (en)

A FORK LIFT CARRIAGE ASSEMBLY HAVING SIDE SHIFT ADJUSTABLE FORKS

Publication

EP 0050119 B1 19850619 (EN)

Application

EP 81900671 A 19800407

Priority

US 8000380 W 19800407

Abstract (en)

[origin: WO8102885A1] A load lifting carriage (12) has horizontal rails (24, 26), vertical side members (28, 30), forks (16, 18) slidably supported on the rails (24, 26), cylinders (32, 34) having outer jackets (36, 40) connected to the vertical members (16, 18) and cylinder rods (38, 42), and couplers (44, 46) which couple the rods (38, 42) the forks (16, 18) to permit the forks (16, 18) to be simultaneously positioned at one side or the other side of the centerline of the carriage (12). The carriage overcomes problems, such as on a fork lift truck, relating to laterally shifting the forks to certain positions on the carriage, the use of heavy sub-carriages which support and laterally shift the forks, and damage to the cylinders, which are rigidly connected to the forks, due to excessive impact. The couplers of this invention permit the simultaneous positioning of both forks on either side of the carriage centerline, are non-load supporting, and will decouple the cylinders from the forks on receiving excessive impact.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (examination)

US 3684113 A 19720815 - ROLLER ROBERT L

Cited by

DE3632031A1; DE4020544A1; DE4020544C2; US11906347B2

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