

Title (en)

Parallel fork-guiding system and method of displacing the parallel forks laterally.

Title (de)

Parallel-Gabelführungssystem und Arbeitsverfahren zur Seitenverstellung von parallelen Tragarmen.

Title (fr)

Système de guidage parallèle de fourches et procédé pour le déplacement latéral des fourches parallèles.

Publication

EP 0540931 B1 19950315 (DE)

Application

EP 92117879 A 19921020

Priority

DE 4136218 A 19911102

Abstract (en)

[origin: EP0540931A1] A parallel arm-guiding system for the parallel displacement of supporting arms as well as a method of adjusting parallel supporting arms laterally are designed in such a way that the supporting arms, displaceable in parallel, do not undergo different deflection under load. This is avoided by the parallel arm-guiding system having an intermediate supporting plate (1) which has at least one horizontal (2, 4) and two vertical (3, 5) legs (2 - 5). It can be fastened to a stacker or transporter via a lifting plate belonging to the stacker or transporter. Two double-spindle systems (10 - 13) are provided which are arranged one above the other on one of the vertical legs (3, 5) and have double spindles (10o, 10u - 13o, 13u). An outer supporting arm (20a, 21a) is mounted in a horizontally displaceable manner on one spindle each (the bottom spindle) of the double spindles. With the other respective spindle (the top spindle), each of the double-spindle systems (10, 11; 12, 13) provided one above the other is mounted via second bearings (6o - 9o) in such a way as to be horizontally displaceable relative to the intermediate supporting plate (1). The method relates to the adjusting action of the aforesaid parallel arm-guiding system. <IMAGE>

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