

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>

IPC 1-7

**B66F 9/14**

IPC 8 full level

**B66F 9/14** (2006.01)

CPC (source: EP)

**B66F 9/143** (2013.01)

Cited by

DE102005060946A1; EP0631975A1; DE4321446A1; EP1038826A1; US7628575B2; EP3511267A1; IT201800000789A1

Designated contracting state (EPC)

AT CH DE DK FR GB LI NL SE

DOCDB simple family (publication)

**EP 0540931 A1 19930512; EP 0540931 B1 19950315**; AT E119854 T1 19950415; DE 4136218 A1 19930506; DE 59201659 D1 19950420; DK 0540931 T3 19950529

DOCDB simple family (application)

**EP 92117879 A 19921020**; AT 92117879 T 19921020; DE 4136218 A 19911102; DE 59201659 T 19921020; DK 92117879 T 19921020