Title (en)

SHELF-LOADING DEVICE AND HIGH RISE SHELF INSTALLATION THEREFOR

Publication

EP 0327724 B1 19920429 (DE)

Application

EP 88121657 A 19881224

Priority

DE 3803626 A 19880206

Abstract (en)

[origin: EP0327724A1] A shelf-loading device for high-rise shelf installations consists of a chassis (1) with at least two travelling wheels (10, 11) which are arranged one behind the other and of which at least one (11) is driven, a bottom guide (13) for the travel movements in the shelf passages (17), and also a mast (2) which guides a load-lifting member and to which a top guide (8) is allocated in the shelf passage. The shelf-loading device can be shifted from shelf passage (17) to shelf passage via a cross passage (18) by being released from the guides when travelling into the cross passage and by being movable transversely to its longitudinal axis. For this purpose, at least the driven travelling wheels (11) are pivotable about a perpendicular axis by about 90 degrees into a travel position in the cross passage (18), and at least two supporting wheels (14) which can be extended on either side transversely to the longitudinal axis of the chassis (1) are arranged on the latter, the axes of which supporting wheels (14) run at right angles to the non-driven travelling wheels (10) and which together with the driven travelling wheels (11) support the shelf-loading device when travelling in the cross passage (18), while the non-driven travelling wheels (10) are lifted from the floor of the cross passage. This shelf-loading device works according to the 4-way principle and thus permits automation of the travel movements. <IMAGE>

IPC 1-7

B65G 1/04; B66F 9/07

IPC 8 full level

B65G 1/04 (2006.01); **B66F 9/07** (2006.01)

CPC (source: EP)

B66F 9/072 (2013.01)

Cited by

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