

Title (en)  
Drive in a storage and retrieval system

Title (de)  
Antrieb in einem Regalbediengerät

Title (fr)  
Entraînement dans une appareil de stockage

Publication  
**EP 0586796 B1 19961030 (EN)**

Application  
**EP 93109235 A 19930608**

Priority  
• JP 2707593 A 19930217  
• JP 24109492 A 19920910

Abstract (en)  
[origin: EP0586796A1] A handling apparatus for automatic warehousing of the type which is supported on and guided by a floor rail installed in, for example, a factory for movement along a predetermined track (5) provided in front of storage sections (2) of a rack (1). The handling apparatus (10) includes a lower frame (11), a pair of longitudinally spaced posts (12,13) extending upward from the lower frame (11), a vertically movable member (15) disposed between the posts (12,13), and a retractable handling element (17) provided on the vertically movable member (15) for entry and discharge of a load (3) relative to the rack (1). The lower frame (11) comprises a driven unit (30) carrying a wheel (18) and having a coupling portion (32) for one (12) of the posts, a drive unit (40) carrying a wheel (18) and having a coupling portion (42) for the other post (13) and a coupling portion (46) for a horizontal drive mechanism, and an intermediate unit (55) positioned between the two units (30,40). <IMAGE>

IPC 1-7  
**B65G 1/04; B66F 9/07**

IPC 8 full level  
**B66F 9/07** (2006.01)

CPC (source: EP)  
**B66F 9/072** (2013.01)

Cited by  
CN114940456A; ES2196958A1; CN104097907A; CN111891983A; EP1466858A3; US2015225216A1; US9725288B2; EP2883831A1

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