

Title (en)
GOODS HANDLING DEVICE

Title (de)
VORRICHTUNG ZUM HANDHABEN VON WAREN

Title (fr)
DISPOSITIF DE MANUTENTION DE PRODUITS

Publication
EP 1222129 A1 20020717 (EN)

Application
EP 00968146 A 20001019

Priority
• GB 0004015 W 20001019
• GB 9925057 A 19991023

Abstract (en)
[origin: GB2355447A] A goods handling device includes a lifting head 24 having a multiplicity of discrete suction devices 42 preferably arranged in a substantially flat array. Preferably, the lifting head 24 includes at least one hundred discrete suction devices 24. More preferably, the lifting head 24 includes at least five hundred discrete suction devices 24. Preferably, the suction device 24 includes a flexible bellows device 44 for engagement with an article to be lifted. Preferably, the suction device 24 comprises a check valve 46. Preferably, the suction devices are connected to a common suction chamber. The goods handling device preferably includes a plurality of goods receiving stations (26a, 26b, 26c, 26d, Fig. 2), the lifting head 24 being mounted for movement between positions directly above each of said stations. Preferably, each goods receiving station (26a, 26b, 26c, 26d, Fig. 2) is mounted on a lifting device (Fig. 2). Preferably, each goods receiving station (26a, 26b, 26c, 26d, Fig. 2) includes a conveyor (12a, 12b, 12c, 20, Fig. 2). Preferably, the lifting head 24 includes a sensing device 50 for sensing any offset in the position of a load lifted by the head relative to lifting head 24 and may also include a control device (not shown) for adjusting the position of the lifting to compensate for any offset in the position of the lifted load. Preferably, the goods handling device is used for pallet layer picking.

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