

Title (en)

Electronic device for the automatic count of stacked objects.

Title (de)

Elektronische Einrichtung zum automatischen Zählen von aufgestapelten Gegenständen.

Title (fr)

Dispositif électronique pour le comptage automatique d'objets empilés.

Publication

EP 0371881 A2 19900606 (EN)

Application

EP 89403324 A 19891130

Priority

IT 2281288 A 19881201

Abstract (en)

The present invention falls within the technical field of electronic control devices and relates particularly to an electronic device for the automatic count of stacked objects, including a first detection group (1) where are located linear digital telecamera and oscillating laser source associated, through a serial/parallel converter (3), to a second group (2) for the effective count of stacked objects and image analysis, in which second group are located a microprocessor (7), a telecamera control circuitry (9) a memory for images (8) and threshold light reference, a count memory, a control software governing the telecamera monitoring, and finally an I/O interface (12) for transferring data from the motor actuating the telecamera to the step-per motor of a fork which, in case of automatic pick up, is used for picking up the stacked objects. In alternative, a second equal telecamera may be mounted, and a rotating base may be provided which supports the stacked objects, so that it may be rotated upon command of above referred microprocessor, in case the stacked objects are inverted by groups.

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G06M 9/00

IPC 8 full level

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CPC (source: EP)

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Cited by

EP0743616A3; CN112270396A; FR2665282A1; US5163077A; US8861816B2; US8682047B2; US7599516B2; US9378454B2

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