

Title (en)

VIDEO CAMERA FOR RECORDING LABELLED ITEMS.

Title (de)

VIDEOKAMERA ZUR AUFZEICHNUNG ETIKETTIERTER GEGENSTÄNDE.

Title (fr)

CAMERA VIDEO POUR ENREGISTRER DES ARTICLES ETIQUETES.

Publication

EP 0677227 A1 19951018 (EN)

Application

EP 94927108 A 19940831

Priority

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- NZ 25069394 A 19940117
- NZ 25082194 A 19940203

Abstract (en)

[origin: WO9507000A1] An electronic camera back (1604) functions as an in-camera frame grabber. It may be attached to a camera body (1601) that focuses an image on a supported (1612) CCD chip (1607). The image is then read out and digitised, then compressed in a JPEG processor (1611) before being stored in a buffer (1605) ready for onwards transmission. Multiple images may be stored. Substantial compression of for example 20:1 is used for the purpose of capturing multiple machine-readable labels as compressed images from collections of merchandise (like tree trunks being loaded onto a ship) for later decoding by image analysis methods. An example 4096 x 4096 pixel CCD chip image is read out, compressed, and stored as about 600K bytes of data in about 6 seconds. Range finding and exposure compensating equipment such as lighting and neutral-density filters are options. Other applications include remote surveillance such as of aircraft at airfields using telecommunications to convey compressed image data.

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