

Title (en)
OPTOELECTRONIC DEVICE FOR IMAGE ACQUISITION, IN PARTICULAR OF BAR CODES

Title (de)
OPTOELEKTRONISCHES BILDERFASSUNGSGERÄT, INSBESONDERE FÜR STRICHKODES

Title (fr)
DISPOSITIF OPTOELECTRONIQUE D'ACQUISITION D'IMAGES, NOTAMMENT DE CODES A BARRES

Publication
EP 0978084 A1 20000209 (FR)

Application
EP 98921577 A 19980421

Priority
• FR 9800802 W 19980421
• FR 9705102 A 19970421

Abstract (en)
[origin: WO9848370A1] The invention concerns a device for image acquisition of objects, in particular of bar codes comprising lighting means (26) provided downstream of optical means (21, 24, 25) and arranged such that the illumination beam axis intersects the optical axis. Moreover, reflecting means (30), allowing the image beam to pass through and reflecting the lighting beam, are arranged so as to intercept said illumination beam, and, are inclined relative to the optical axis, at an angle adapted so that said illumination beam is centred on said optical axis. The invention is characterised in that the lighting means (26) are adapted to light the useful optical field over the entire field depth, and the angle alpha wherein the light source viewed from the object plane is such that $\alpha \leq \arctan(L/5P)$ L being the width of the object plane and P the distance between the object and the light source.

IPC 1-7
G06K 7/10

IPC 8 full level
G06K 7/10 (2006.01)

CPC (source: EP US)
G06K 7/10831 (2013.01 - EP US)

Citation (search report)
See references of WO 9848370A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IT LI NL PT SE

DOCDB simple family (publication)
WO 9848370 A1 19981029; EP 0978084 A1 20000209; US 6435411 B1 20020820

DOCDB simple family (application)
FR 9800802 W 19980421; EP 98921577 A 19980421; US 40345599 A 19991021