

Title (en)

COIN IMAGE ACQUISITION DEVICE, CONDENSING PART, AND COIN HANDLING DEVICE

Title (de)

MÜNZBILDERFASSUNGSVORRICHTUNG, VERDICHUNGSTEIL UND MÜNZHANDHABUNGSVORRICHTUNG

Title (fr)

DISPOSITIF D'ACQUISITION D'IMAGE DE PIÈCES DE MONNAIE, PARTIE DE CONDENSATION, ET DISPOSITIF DE MANIPULATION DE PIÈCES DE MONNAIE

Publication

EP 4060633 A1 20220921 (EN)

Application

EP 22162164 A 20220315

Priority

JP 2021046274 A 20210319

Abstract (en)

Provided is a coin image acquisition device capable of acquiring a clear coin image without a light diffusing film that diffuses light or a barrier film that blocks stray light. The coin image acquisition device acquires an image of a coin, and the coin image acquisition device includes: a light source unit configured to emit light; and an imaging unit configured to capture a reflected image of a coin irradiated with light from the light source unit, the light source unit including a plurality of light-emitting elements disposed in an annular shape and a condensing unit configured to collect light from the light-emitting elements, the condensing unit including a plurality of lenses disposed in an annular shape correspondingly to the respective light-emitting elements, the condensing unit having a lower degree of condensation in a circumferential direction of the annular shape than in a radial direction of the annular shape.

IPC 8 full level

G07D 5/00 (2006.01); **G07D 7/121** (2016.01)

CPC (source: EP)

G07D 5/005 (2013.01); **G07D 7/121** (2013.01)

Citation (applicant)

- JP 2018124858 A 20180809 - GLORY KOGYO KK
- JP 6094253 B2 20170315

Citation (search report)

- [X1] JP H0546840 A 19930226 - GLORY KOGYO KK
- [X1] US 2012301009 A1 20121129 - DABIC STEVEN [US]
- [A] US 5040961 A 19910820 - HAMBLEN DAVID P [US], et al
- [A] EP 2330568 A1 20110608 - MEI INC [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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