

Title (en)  
Coin checking

Title (de)  
Prüfung von Münzen

Title (fr)  
Vérification de pièces de monnaie

Publication  
**EP 2787488 A1 20141008 (EN)**

Application  
**EP 13161990 A 20130402**

Priority  
EP 13161990 A 20130402

Abstract (en)  
A coin checking apparatus (2, 24, 34, 48, 56) comprises a coin path (4) and an optical sensor (8). The optical sensor (8) comprises a laser diode (10) configured to emit light, an optical guide (14) configured to direct the light from the laser diode (10) to the coin path (4), and a photodetector (12) configured to detect light from the laser diode (10) that is reflected by the coin (6) and returned along the optical guide (14). The laser diode (10) and the photodetector (14) are provided within a single package. The apparatus (2, 24, 34, 48, 56) can also include an array of photodetectors (22) arranged to detect light emitted by the laser diode (10) that has passed through the coin path (4) without being interrupted by the coin (6). A processing device (20) analyses an output of the optical sensor (8) and may determine a fingerprint of the coin (6). Based on this output the processing device may identify the coin (6) and/or determine if the coin (6) is genuine or fake.

IPC 8 full level  
**G07D 5/00** (2006.01); **G07D 5/02** (2006.01); **G07D 5/10** (2006.01)

CPC (source: EP)  
**G07D 5/005** (2013.01); **G07D 5/02** (2013.01); **G07D 5/10** (2013.01)

Citation (applicant)  
• GB 2369710 B 20040421 - PANZERI EZIO [IT], et al  
• EP 0900431 B1 20000913 - DIGITALL INC [US]

Citation (search report)  
• [XYI] FR 2965389 A1 20120330 - PARKEON [FR]  
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• [IY] EP 0060392 A2 19820922 - SODECO COMPTEURS DE GENEVE [CH]  
• [IY] GB 1553752 A 19790926 - LANDIS & GYR AG  
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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

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DOCDB simple family (application)  
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