

Title (en)
COIN HOPPER

Title (de)
MÜNZVEREINZELUNGSGERÄT

Title (fr)
DISTRIBUTEUR AUTOMATIQUE DE MONNAIE

Publication
EP 3115972 A1 20170111 (EN)

Application
EP 15196080 A 20151124

Priority
JP 2015135749 A 20150707

Abstract (en)
A coin hopper capable of effectively preventing fracture of a fixing member, suppressing increase in cost, and increasing fixation strength of a rotating disk with respect to a rotating shaft even if a rotating axis of the rotating disk and an axis of the fixing member are not coaxial is provided. In a state in which a fitting projecting part formed on an end surface of a rotating shaft and a fitting recessed part formed on a back surface side of a rotating disk are fitted with each other, a rotating disk and a rotating shaft are fixed by a fixing member. The acting force in a rotating direction which works between the rotating disk and the rotating shaft when the rotating disk is rotated is received by the fitting between the fitting projecting part and the fitting recessed part.

IPC 8 full level
G07D 9/00 (2006.01)

CPC (source: EP)
G07D 9/008 (2013.01)

Citation (applicant)

- JP 2003196695 A 20030711 - ASAHI SEIKO CO LTD
- JP H07306965 A 19951121 - ASAHI SEIKO CO LTD
- JP 5540190 B2 20140702

Citation (search report)

- [X] GB 2369229 A 20020522 - ASAHI SEIKO CO LTD [JP]
- [I] GB 2378800 A 20030219 - ASAHI SEIKO CO LTD [JP]
- [I] US 2007212997 A1 20070913 - KUROSAWA MOTOHARU [JP]
- [A] JP 2004068944 A 20040304 - NOK CORP

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)
EP 3115972 A1 20170111; EP 3115972 B1 20170927; AU 2016200180 A1 20170202; AU 2016200180 B2 20200102;
JP 2017016600 A 20170119; JP 6452047 B2 20190116

DOCDB simple family (application)
EP 15196080 A 20151124; AU 2016200180 A 20160112; JP 2015135749 A 20150707