

Title (en)

CONVEYING DEVICE FOR BANKNOTES TO BE BUNDLED

Title (de)

FÖRDERVORRICHTUNG FÜR ZU BÜNDELNDE BANKNOTEN

Title (fr)

DISPOSITIF DE TRANSPORT POUR BILLETS DE BANQUE À METTRE EN LIASSES

Publication

EP 3690832 B1 20211117 (EN)

Application

EP 18862067 A 20180926

Priority

- CN 201710881236 A 20170926
- CN 2018107742 W 20180926

Abstract (en)

[origin: EP3690832A1] A conveying device for banknotes to be bundled, comprising: a clamping mechanism, a horizontal transporting mechanism, and a lifting mechanism. The clamping mechanism clamps banknotes to be bundled from a first setting position and conveys same to a second position, the horizontal transporting mechanism horizontally conveys the banknotes to be bundled from the second setting position to a third setting position, and the lifting mechanism lifts the banknotes to be bundled from the third setting position to a fourth setting position. The clamping mechanism comprises a driving motor (1), a transmission device, guide rods (7), an upper jaw (8), and a lower jaw (9), the guide rods (7) being fixedly provided, the upper jaw (8) and the lower jaw (9) passing through the guide rods (7) and being able to freely move in a perpendicular direction within the length range of the guide rods (7); the transmission device is connected between the driving motor (1) and the upper jaw (8) or the lower jaw (9) and drives, by controlling forward rotation and reverse rotation of the driving motor (1), the upper jaw (8) and the lower jaw (9) to clamp banknotes. The clamping mechanism for banknotes to be bundled has a simple structure, is easy to operate, and is low in cost.

IPC 8 full level

G07D 11/00 (2019.01); **G07D 11/16** (2019.01)

CPC (source: CN EP)

B65B 35/36 (2013.01 - CN EP); **G07D 11/16** (2018.12 - CN EP)

Citation (examination)

- US 4499709 A 19850219 - MIYANO TOSHIYUKI [JP], et al
- US 2014183817 A1 20140703 - HWANG JIN YOUNG [KR], et al

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

DOCDB simple family (publication)

EP 3690832 A1 20200805; **EP 3690832 A4 20201118**; **EP 3690832 A8 20201223**; **EP 3690832 B1 20211117**; CN 107527426 A 20171229; WO 2019062776 A1 20190404

DOCDB simple family (application)

EP 18862067 A 20180926; CN 201710881236 A 20170926; CN 2018107742 W 20180926