

Title (en)
Apparatus for individually dispensing flat objects

Title (de)
Vorrichtung zur Ausgabe flacher Gegenstände

Title (fr)
Distributeur pour des objets plats

Publication
EP 1418551 A1 20040512 (EN)

Application
EP 03024281 A 20031023

Priority
DK PA200201611 A 20021023

Abstract (en)
An apparatus having a housing (13) for receiving a stack (10;43) of flat objects (1,2,3;44,45,46) and letting the objects be withdrawn from the housing (13) one at the time in a predetermined direction of withdrawal. The apparatus comprises a slot (16), a lower base (20) in the housing for carrying the stack (10;43) and mounted in a mainly vertically displaceable manner, at least one spring (21) for affecting the base (20) with an upwardly directed force, and two successive, idler rollers (30,31) located in an area above the stack. The front roller is a driving pulley (30) and the rearmost a driven roller (31). The apparatus furthermore comprises an upper cover (14) and a mounting (26) mounted on this cover about a shaft (25) for mounting the shafts (32,33) of the rollers (30,31), and an operative connection connecting the driving pulley (30) and the driven roller (31) by means of a continuous belt (36), running around the rollers (30,31). Thereby a simple, inexpensive structure is obtained that allows a user to take only one object from the housing easily, quickly, and safely and during this simultaneously bring a new newspaper to a position of collection for the next user. <IMAGE>

IPC 1-7
G07F 11/04

IPC 8 full level
G07F 11/04 (2006.01)

CPC (source: EP)
G07F 11/045 (2013.01)

Citation (search report)
• [X] US 5415264 A 19950516 - MENOUD EDOUARD [CH]
• [Y] US 5275306 A 19940104 - DEMOSS PAUL [US]
• [Y] US 4377228 A 19830322 - OSTERMANN PETER
• [A] DE 2616316 A1 19771103 - REDL IGNAZ
• [A] US 5238143 A 19930824 - CRIGHTON ADAM J [GB]
• [A] US 5482184 A 19960109 - CHANG WEI-PING [TW]
• [A] US 1918460 A 19330718 - WILLIAM ECCARDT

Cited by
WO2008154670A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1418551 A1 20040512

DOCDB simple family (application)
EP 03024281 A 20031023