

Title (en)

Inclined shelf case

Title (de)

Schrägfachbodenregal

Title (fr)

Système d'étagères obliques

Publication

EP 2015265 A3 20090211 (DE)

Application

EP 08158793 A 20080623

Priority

DE 202007009398 U 20070704

Abstract (en)

[origin: DE202007009398U1] The arrangement has inclined shelves for accommodating rows of objects (17) and a manipulator (22) movable in a free space at the output end of the shelves for accepting the lowest object in a channel (19) and transporting it to a delivery position. The manipulator can move to a return position from which a return device (29) leads to the rear of the shelf.

IPC 8 full level

G07F 11/00 (2006.01)

CPC (source: EP US)

A47F 1/12 (2013.01 - EP); **G07F 9/026** (2013.01 - EP); **G07F 11/165** (2013.01 - EP US); **G07F 11/28** (2013.01 - EP); **G07F 11/34** (2013.01 - EP)

Citation (search report)

- [X] EP 1439502 A2 20040721 - CENTRAL BOTTLING CO [IL]
- [DX] EP 0991037 A2 20000405 - WILLACH GMBH GEB [DE]
- [X] US 4867628 A 19890919 - AMMON J PRESTON [US], et al
- [X] EP 1347423 A2 20030924 - WILLACH GMBH GEB [DE]
- [PX] DE 202007009398 U1 20070906 - WILLACH GMBH GEB [DE]

Cited by

WO2019012393A3

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2015265 A2 20090114; **EP 2015265 A3 20090211**; **EP 2015265 B1 20100721**; AT E475159 T1 20100815; DE 202007009398 U1 20070906; DE 502008000977 D1 20100902; ES 2349298 T3 20101229; HK 1129121 A1 20091120; PL 2015265 T3 20101231

DOCDB simple family (application)

EP 08158793 A 20080623; AT 08158793 T 20080623; DE 202007009398 U 20070704; DE 502008000977 T 20080623; ES 08158793 T 20080623; HK 09109186 A 20091005; PL 08158793 T 20080623