

Title (en)
Locking device in shelf stands

Title (de)
Verriegelungsvorrichtung für ein Regalständer

Title (fr)
Dispositif de verrouillage pour une support étagère

Publication
EP 1762160 A1 20070314 (EN)

Application
EP 06445062 A 20060829

Priority
SE 0501976 A 20050907

Abstract (en)
A device in shelf stands with several shelves (3) with sloping storage trays (4) which are extendable on a holder arm (5) in order to facilitate replenishing and removing goods stored in the trays. The trays (4) are secured in the retracted position by means of a locking device which is operated from the front side of the trays. The locking device comprises a leaf-shaped locking hook (9,15) which when the tray is extended moves in a channel (10,16) arranged in the upper or under side of the tray. At the end facing the back side of the tray the locking hook is connected to a pivot (13,13a) in the holder (5) and at the other end, when the tray (4) is retracted to its position of application extends from the channel (10,16) with a hook-shaped part (14,19) which is arranged to cooperate with a locking plate (12,18) on the front edge of the tray which engages the hook-shaped part (14,19) of the locking hook (9,15).

IPC 8 full level
A47F 5/00 (2006.01); **A47F 5/04** (2006.01)

CPC (source: EP SE US)
A47B 96/025 (2013.01 - EP US); **A47F 5/0018** (2013.01 - SE); **A47F 5/0093** (2013.01 - EP US); **A47F 5/05** (2013.01 - EP SE US)

Citation (applicant)
SE 449293 B 19870427 - SINTEK AB [SE], et al

Citation (search report)
• [A] US 6164462 A 20001226 - MUMFORD NICHOLAS R [GB]
• [A] US 2003160012 A1 20030828 - KANOUCHI AKIFUMI [JP], et al
• [A] US 5306077 A 19940426 - TREVASKIS THOMAS R [AU]
• [A] US 2003173876 A1 20030918 - FUJII KIYOSHI [JP], et al
• [A] GB 387531 A 19330209 - HARRIS & SHELDON LTD, et al

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 06445062 A 20060829; AU 2006203607 A 20060821; CN 200610128159 A 20060906; JP 2006240276 A 20060905; NO 20063967 A 20060905; SE 0501976 A 20050907; US 47080106 A 20060907