

Title (en)
SUPPORTING DEVICE FOR SHELVES

Title (de)
TRAGEVORRICHTUNG FÜR REGALBÖDEN

Title (fr)
DISPOSITIF DE SUPPORT POUR ÉTAGÈRES

Publication
EP 3815576 A1 20210505 (EN)

Application
EP 20204137 A 20201027

Priority
IT 201900020124 A 20191031

Abstract (en)
The present invention relates to a supporting device (10) for furniture shelves for the reversible connection of a shelf (100) to the opposite shoulders (200) of a piece of furniture, of the type comprising a plug or pin (11) positioned inside a shelf (100), or horizontal element, along a longitudinal axis (X) perpendicular to said shoulders (200), said pin (11) being movable along said axis (X), against the action of opposing means, between a non-operational position wherein the pin is contained within a seat or body (12,112) of said shelf (100) and an operational position wherein the free end or tip (P) of said pin (11) protrudes from said shelf (100) and is housed in a complementary seat (201) of one of said shoulders (200), characterized in that said tip (P) terminates with a tilted surface or tilted plane (Pa) cooperating with the inlet edge of said seat (201), so that when said shelf (100) is pushed upwards from below, the pin (11) becomes disengaged from said seat (201), overcoming the action of the above-mentioned opposing means.

IPC 8 full level
A47B 96/06 (2006.01)

CPC (source: EP)
A47B 96/066 (2013.01)

Citation (applicant)
IT 201900016247 A 20190913

Citation (search report)
• [X] JP S55111457 U 19800805
• [X] EP 3281555 A1 20180214 - O M M SRL DELL'ING ROBERTO NATALE MARIANI [IT]
• [X] CH 101351 A 19230917 - RUDOLF STAEUBLI [CH]
• [X] JP 2009160033 A 20090723 - SUMITOMO FORESTRY
• [X] JP S4939721 U 19740408

Cited by
WO2023061683A1; IT202200004841A1; IT202100025988A1; US2022395097A1; US11596230B2; WO2023175432A1

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 3815576 A1 20210505; IT 201900020124 A1 20210501

DOCDB simple family (application)
EP 20204137 A 20201027; IT 201900020124 A 20191031