

Title (en)
A LOCK MECHANISM FOR CABINET DOORS

Title (de)
VERRIEGELUNGSMECHANISMUS FÜR SCHRANKTÜREN

Title (fr)
MÉCANISME DE VERROUILLAGE POUR PORTES D'ARMOIRE

Publication
EP 4206422 B1 20240117 (EN)

Application
EP 21217981 A 20211228

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Abstract (en)
[origin: EP4206422A1] The present invention relates to a lock mechanism (100) for cabinet doors, comprising a connection plate (1) configured to be attached on one side of a cabinet door (D) by means of a mounting member (2) positioned on the other side of the cabinet door (D). The cabinet door (D) has a mounting opening (3) for enabling the connection plate (1) to integrate with the mounting member (2), and also has a lock opening (4) for the engagement of a lock housing (5). The lock mechanism (100) further comprises a lock body (6) configured to be slidably mounted on the connection plate (1). Said connection plate (1) comprises at least four guide lugs (11), and said lock body (6) has at least four guiding slots (61) correspondingly positioned on a connection surface (62) of the lock body (6) such that the guide lugs (11) are slidably attached into the guiding slots (61) by moving the lock body (6) from a first position to a second position along a sliding distance (X), subsequent to the insertion of the guide lugs (11) into the guiding slots (61) such that the connection surface (62) is coplanar with the connection plate (1). The guiding slots (61) are configured to allow one-way sliding of the guide lugs (11). The connection plate (1) also comprises a clamping member (12) configured to be fitted into a fixing gab (63) provided on the connection surface (62) for ensuring that the lock body (6) remains securely attached to the cabinet door (D) unless the mounting member (2) is disengaged from the cabinet door (D).

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