

Title (en)
HINGE ASSEMBLY AND STORAGE CABINET

Title (de)
SCHARNIERANORDNUNG UND LAGERSCHRANK

Title (fr)
ENSEMBLE CHARNIÈRE ET ARMOIRE DE RANGEMENT

Publication
EP 4105421 A4 20231018 (EN)

Application
EP 21857632 A 20210816

Priority
• CN 202010839057 A 20200819
• CN 2021112815 W 20210816

Abstract (en)
[origin: EP4105421A1] The present application relates to the technical field of hinges, and provides a hinge assembly and a storage cabinet. The hinge assembly comprises a first hinge body and a second hinge body; the first hinge body is provided with one of a hinge slot and a hinge shaft disposed within the hinge slot, and is further provided with one of a limiting slot and a limiting shaft disposed within the limiting slot; the second hinge body is provided with the other of the hinge shaft and the hinge slot, and is further provided with the other of the limiting shaft and the limiting slot; the hinge shaft is adapted to move within the hinge slot to make the limiting shaft move in the extension direction of the limiting slot; the bottom wall of the limiting slot is provided with a first guide surface; the first guide surface gradually descends along an extension direction from an open end to a closed end; the limiting shaft abuts against the first guide surface to make the first hinge body or the second hinge body move up/down along the first guide surface. According to the hinge assembly and the storage cabinet provided by the present application, assistance can be provided for a door closing process and a door opening process can be made more stable.

IPC 8 full level
E05D 3/06 (2006.01); **E05D 3/02** (2006.01); **E05D 3/18** (2006.01); **E05D 7/081** (2006.01); **E05D 11/06** (2006.01); **E05D 11/10** (2006.01); **E05F 1/06** (2006.01); **F25D 23/02** (2006.01)

CPC (source: CN EP)
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Citation (search report)
• [A] US 2020232699 A1 20200723 - ZHANG HAO [CN], et al
• [A] US 2017167173 A1 20170615 - JOHNSON GLENN L [US]
• See also references of WO 2022037538A1

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)
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KH MA MD TN

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