

Title (en)
FURNITURE UNDERFRAME OF SITTING-LYING TYPE FURNITURE

Title (de)
MÖBELUNTERGESTELL FÜR EIN MÖBELSTÜCK ZUM SITZEN ODER LIEGEN

Title (fr)
SOUS-CHÂSSIS DE MEUBLE POUR MEUBLE DE TYPE ASSISE-COUCHAGE

Publication
EP 2687130 A1 20140122 (EN)

Application
EP 12865077 A 20120409

Priority
• CN 201210010649 A 20120115
• CN 2012073624 W 20120409

Abstract (en)
This invention discloses a type of underframe of sitting/sleeping furniture, comprising a supporting frame and a seat frame with backrest. This seat frame is arranged on this supporting frame in a movable manner via a quasi-parallel deflecting system. This quasi-parallel deflecting system consists of the supporting frame, the seat frame, and two rockers, so that the seat frame can move between two terminal positions: sitting position and sleeping position. With this underframe, when the seat frame moves between sitting position and sleeping position, rear pivot and front pivot of the quasi-parallel deflecting system are formed and arranged on the supporting frame, so that resultant gravity of the person at sleeping position is applied at a point behind the two pivots on the seat frame along the direction of the backrest. On the other hand, resultant gravity of the person at sitting position is applied at a point in front of the rear pivot on the seat frame. The structure of this invention can ensure motion characteristics of this underframe (preventing unintended movement).

IPC 8 full level
A47C 1/035 (2006.01)

CPC (source: EP)
A47C 1/035 (2013.01)

Cited by
CN112451249A

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 2687130 A1 20140122; EP 2687130 A4 20160803; EP 2687130 B1 20170503; CN 102525186 A 20120704; CN 102525186 B 20140430; PL 2687130 T3 20170831; WO 2013104150 A1 20130718

DOCDB simple family (application)
EP 12865077 A 20120409; CN 2012073624 W 20120409; CN 201210010649 A 20120115; PL 12865077 T 20120409