

Title (en)

EXTENDABLE STRUCTURE OF SEATING FOOTREST, EXTENDABLE SUPPORTING FRAME AND SEATING UNIT

Title (de)

AUSZIEHBARE STRUKTUR EINER SITZFUSSSTÜTZE, AUSZIEHBARER STÜTZRAHMEN UND SITZEINHEIT

Title (fr)

STRUCTURE EXTENSIBLE DE REPOSE-PIEDS, CADRE DE SUPPORT EXTENSIBLE ET UNITÉ DE SIÈGE

Publication

EP 4252587 A1 20231004 (EN)

Application

EP 23164765 A 20230328

Priority

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Abstract (en)

Provided in the present invention is an extendable structure of seating footrest, characterized by including a driving link and a supporting link both hinged to a mounting frame, a first extending link, a second extending link, and a footrest part, wherein: an end of the first extending link is hinged to the footrest part, and an opposite end of the first extending link is hinged to a free end of the supporting link at a fourth hinge point; an end of the second extending link is hinged to the footrest part at a first hinge point, and an opposite end of the second extending link is hinged to a free end of the driving link; the second extending link is hinged to the supporting link at a second hinge point; and during a rotation of the driving link around a hinge point with the mounting frame, an upper edge of a segment of the first extending link between the first hinge point and the fourth hinge point may be obscured by the second extending link when viewed from an exterior of the second extending link along an axial direction of a rotation axis of the driving link towards the first extending link. In the present invention, the second extending link obscures the first extending link, which prevents narrow gaps between the first extending link and the second extending link due to posture adjustment from causing pinching injury to the user, so as to provide a high level of safety.

IPC 8 full level

A47C 1/0355 (2013.01)

CPC (source: EP)

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Citation (applicant)

CN 113796687 A 20211217 - REMACRO MACH & TECH WUJIANG CO LTD

Citation (search report)

- [X] DE 20307916 U1 20030724 - SICHELSCHMIDT STANZWERK [DE]
- [X] CN 104856478 A 20150826 - ZHEJIANG UE FURNITURE CO LTD

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