

Title (en)

Angle adjusting/positioning device for a backrest of a chair

Title (de)

Winkeleinstellungs-/positionierungsvorrichtung für eine Rückenlehne eines Stuhls

Title (fr)

Dispositif de réglage/positionnement d'angle pour dossier de chaise

Publication

EP 2671469 A1 20131211 (EN)

Application

EP 12171369 A 20120608

Priority

- EP 12171369 A 20120608
- US 201213481838 A 20120527

Abstract (en)

An angle adjusting/positioning device includes first and second sleeves (11,21) fixed to a backrest (6) and a seat (7) of a chair. The first sleeve (11) has a first axle hole (13) and a first toothed portion (14). A second sleeve (21) includes a second axle hole, a second toothed portion (24), and a positioning portion (26). A third sleeve (411) has a third axle hole and an actuating portion (414). An axle (5) extends through the first, second, and third axle holes. A handle (42) fixed to the third sleeve is operable to move the actuating portion relative to the positioning portion, causing the second toothed portion to engage with or disengage from the first toothed portion. An angular position of the backrest relative to the seat is adjustable when the second toothed portion disengages from the first toothed portion. The angular position of the backrest is fixed when the second toothed portion engages with the first toothed portion.

IPC 8 full level

A47C 1/026 (2006.01)

CPC (source: EP US)

A47C 1/026 (2013.01 - EP US); **A47C 1/03238** (2013.01 - EP US); **A47C 1/0325** (2013.01 - EP US); **A47C 1/03294** (2013.01 - EP US)

Citation (applicant)

US 7736925 B2 20100615 - SAKONG TAN [KR], et al

Citation (search report)

- [X] GB 1168790 A 19691029 - PLESSEY CO LTD
- [A] GB 1046893 A 19661026 - LEVI CLEWS, et al
- [A] DE 20319484 U1 20040311 - LUSCH GMBH & CO KG FERD [DE]
- [A] EP 1152158 A1 20011107 - KOYO GIKEN CO LTD [JP]
- [A] FR 1197892 A 19591203 - FAURE BERTRAND ETS
- [A] US 2010117423 A1 20100513 - LIN CHANG-CHEN [TW]

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)

US 2013313878 A1 20131128; EP 2671469 A1 20131211

DOCDB simple family (application)

US 201213481838 A 20120527; EP 12171369 A 20120608