

Title (en)
ERGONOMICALLY ADJUSTABLE RECLINER

Title (de)
ERGONOMISCH VERSTELLBARE LIEGEVORRICHTUNG

Title (fr)
DISPOSITIF DE COUCHETTE À RÉGLAGE ERGONOMIQUE

Publication
EP 3784090 B1 20240529 (DE)

Application
EP 19700660 A 20190110

Priority
• DE 102018003458 A 20180427
• EP 2019050522 W 20190110

Abstract (en)
[origin: WO2019206464A1] The present invention relates to a recliner for variable adjustment between a substantially horizontal position and an ergonomic seating position, the recliner having at least one right-hand and one left-hand side part, which are each made up of an outer side part (60) and of an inner side part (80), and also comprising a backrest element (90) and a seat-surface element (91), which are connected to one another for rotation via a first bearing rod (102), as well as a foot-part element (92), which is connected to the seat-surface element (91) for rotation via a second bearing rod (103), wherein the foot-part element (92) is mounted between the right-hand and left-hand side parts via a third bearing rod (104), and wherein the first, second and third bearing rods (102, 103, 104) are each mounted for translatory movement in a corresponding guide in the right-hand and left-hand side parts such that the backrest element (90), the seat-surface element (91) and the foot-part element (92) can be adjusted in a variable manner between a substantially horizontal position and an ergonomic seating position, and wherein the first bearing rod (102) is arrested, via an arresting slide (70), in an arresting cutout (61) in at least one outer side part (60) by self-locking action, and wherein the self-locking action can be eliminated by the user using a hand-control knob. This functionality can also be achieved by a straightforward pushing/thrusting movement of the bearing rod (103) onto the slide (344) or, as in figures 16c and 16d, onto the slide (513) and/or slide (518).

IPC 8 full level
A47C 1/032 (2006.01); **A47C 1/035** (2006.01); **A47C 1/14** (2006.01); **A47C 17/16** (2006.01); **A47C 17/175** (2006.01); **A47C 20/04** (2006.01); **A47C 20/08** (2006.01)

CPC (source: EP US)
A47C 1/0325 (2013.01 - EP); **A47C 1/0347** (2013.01 - US); **A47C 1/0352** (2013.01 - EP); **A47C 1/143** (2013.01 - EP US); **A47C 17/162** (2013.01 - EP); **A47C 17/163** (2013.01 - EP); **A47C 17/1753** (2013.01 - EP); **A47C 20/047** (2013.01 - EP); **A47C 20/08** (2013.01 - EP)

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

DOCDB simple family (publication)
WO 2019206464 A1 20191031; DE 102018003458 A1 20191031; EP 3784090 A1 20210303; EP 3784090 B1 20240529; US 11337524 B2 20220524; US 2021227977 A1 20210729

DOCDB simple family (application)
EP 2019050522 W 20190110; DE 102018003458 A 20180427; EP 19700660 A 20190110; US 201917050920 A 20190110