

Title (en)
SEAT COMPRISING A SYNCHRONOUS MECHANISM

Title (de)
STUHL MIT EINER SYNCHRONMECHANIK

Title (fr)
SIEGE DOTE D'UN MECANISME SYNCHRONE

Publication
EP 1758484 A1 20070307 (DE)

Application
EP 04736739 A 20040614

Priority
CH 2004000360 W 20040614

Abstract (en)
[origin: WO2005120291A1] The invention relates to a seat comprising a lower frame which is placed on the floor (1) and on which a synchronous mechanism (2) is mounted. A horizontal fixed main rotational axle (D1) and a horizontal secondary rotational axle (D2) that can be pivoted about the main rotational axle (D1) are arranged on the synchronous mechanism (2). Said synchronous mechanism (2) also comprises a fixed base (20) which is to be placed on the lower frame (1) and penetrated by the main rotational axle (D1). A pivotable seat carrier (21) for fixing the seat element (3) is arranged above the base (20) and is penetrated by the secondary rotational axle (D2). First connecting means (22) are fixed to the main rotational axle (D1) and the secondary rotational axle (D2) in an articulated manner. Second connecting means (23) are provided opposite the secondary rotational axle (D2) as a connection between the base (20) and the seat carrier (21). A backrest (4) is fixed to the synchronous mechanism (2), said backrest being pivotable about the fixed main rotational axle (D1) against the resistance of a spring module (24). The movements of the seat (3) and the backrest (4) are mutually synchronised.

IPC 8 full level
A47C 1/032 (2006.01); **A47C 1/03** (2006.01); **A47C 7/38** (2006.01)

CPC (source: EP US)
A47C 1/023 (2013.01 - EP US); **A47C 1/03** (2013.01 - EP US); **A47C 1/0325** (2013.01 - EP US); **A47C 1/03255** (2013.01 - EP US); **A47C 1/03266** (2013.01 - EP US); **A47C 1/03272** (2013.01 - EP US); **A47C 1/03283** (2013.01 - EP US)

Citation (search report)
See references of WO 2005120291A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005120291 A1 20051222; CN 1984583 A 20070620; EP 1758484 A1 20070307; US 2008067848 A1 20080320

DOCDB simple family (application)
CH 2004000360 W 20040614; CN 200480005632 A 20040614; EP 04736739 A 20040614; US 62956504 A 20040614