

Title (en)

DEVICE FOR ADJUSTING THE FORCIBLY COUPLED SEAT AND BACK OF A DENTIST CHAIR

Title (de)

VORRICHTUNG ZUR ZWANGSGEKOPELTEN VERSTELLUNG VON SITZ UND RÜCKENLEHNE EINES ZAHNÄRZTLICHEN PATIENTENSTUHLES

Title (fr)

DISPOSITIF DE REGLAGE DU SIEGE ET DU DOSSIER A ACCOUPLEMENT FORCE D'UN FAUTEUIL DE DENTISTE

Publication

EP 0902677 A1 19990324 (DE)

Application

EP 96945990 A 19961115

Priority

- DE 9602180 W 19961115
- DE 19544545 A 19951129

Abstract (en)

[origin: DE19544545C1] A device is disclosed for adjusting the forcibly coupled seat and back of a dentist chair. The end (11) of the back next to the seat is guided in a curved guide (10) of the seat support (8) and the seat support (8) is joined to a top part (5) so as to tilt around an axis bolt (7) close to the back, so that when the back (12) is inclined, the seat support, together with seat and leg support (9), tilts backwards around the tilting axis (7) and vice versa, when the back is raised, the seat support tilts forwards. A flexible resilient force transmission member (15) is provided to forcibly couple the seat to the back. One end (attachment point 19) of the force transmission member (15) is attached to the top part (5) and its other end (attachment point 20) is attached to the end (11) of the back (12) next to the seat. The force transmission member is guided, as with a pulley block, on at least one pulley (16) and thus carries out an adjustment movement caused by the forced coupling of back and seat. A chain guided on chain pulleys is advantageously used as force transmission member.

IPC 1-7

A61G 15/02

IPC 8 full level

A47C 1/024 (2006.01); **A61G 15/02** (2006.01); **A61G 15/04** (2006.01)

CPC (source: EP US)

A61G 15/02 (2013.01 - EP US)

Cited by

DE102011078469A1

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

DE 19544545 C1 19970116; DE 59604445 D1 20000316; EP 0902677 A1 19990324; EP 0902677 B1 20000209; IN 188528 B 20021012; US 5992934 A 19991130; WO 9719666 A2 19970605; WO 9719666 A3 20010913

DOCDB simple family (application)

DE 19544545 A 19951129; DE 59604445 T 19961115; DE 9602180 W 19961115; EP 96945990 A 19961115; IN 1988CA1996 A 19961115; US 7740198 A 19981215