

Title (en)
CHAIR

Publication
EP 0247311 B1 19910313 (DE)

Application
EP 87104184 A 19870321

Priority
• DE 3617624 A 19860526
• DE 8614185 U 19860526

Abstract (en)

[origin: US4761033A] A chair with a seat support (7) has a seat plate (11) which is supported to the seat support (7) by means of a rear and a front guide rod. The chair has a back rest support (14a) that is pivot-hinged to the seat support (7). The seat support (7) is connected to a rigid, back rest angle support (1) by means of a front and a back parallelogram guide rod (3). The angle support is fixed to the bottom part of the chair (2). The parallelogram guide joints (3) are also connected to each other by means of a parallel guide rod (4). A first force storage member (5) is situated between the seat support (7) and the back rest angle support (1) and a second force storage member (15) is located between the back rest support (14a) and the seat support (7). The force necessary for the slope of the back rest is independent of the weight of the user. A user with higher weight must expend a higher amount of force for the slope of the back rest to move backward than a user with a lower weight.

IPC 1-7
A47C 1/032; A47C 3/026

IPC 8 full level
A47C 1/032 (2006.01); **A47C 3/026** (2006.01)

CPC (source: EP US)
A47C 1/03255 (2013.01 - EP US); **A47C 1/03272** (2013.01 - EP US); **A47C 1/03283** (2013.01 - EP US); **A47C 31/126** (2013.01 - EP US)

Cited by
US6139103A; EP0435297A1; EP0591932A1; NL1018178C2; DE10219478B4; DE10122945A1; EP0434897A1; US5080318A;
DE202014100062U1; EP2561777A1; DE102011081588A1; US8215710B2; US11589678B2; US10004333B2; US8931841B2; US6709057B2;
WO02096240A1; WO2008067947A1

Designated contracting state (EPC)
BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
US 4761033 A 19880802; AU 581367 B2 19890216; AU 7335587 A 19871203; CA 1278992 C 19910115; DE 3617624 A1 19871203;
DE 3768556 D1 19910418; DE 8614185 U1 19860717; DK 166401 B1 19930517; DK 265487 A 19871127; DK 265487 D0 19870525;
EP 0247311 A2 19871202; EP 0247311 A3 19880406; EP 0247311 B1 19910313; JP S6365817 A 19880324; NO 166518 B 19910429;
NO 166518 C 19910807; NO 871685 D0 19870423; NO 871685 L 19871127

DOCDB simple family (application)
US 5243687 A 19870520; AU 7335587 A 19870525; CA 537821 A 19870525; DE 3617624 A 19860526; DE 3768556 T 19870321;
DE 8614185 U 19860526; DK 265487 A 19870525; EP 87104184 A 19870321; JP 12270487 A 19870521; NO 871685 A 19870423