

Title (en)

Office chair with a user-weight-dependent energy storage device

Title (de)

Stuhl mit vom Benutzergewicht abhängigen Kraftspeicher

Title (fr)

Chaise avec un accumulateur d'énergie dépendant du poids d'utilisateur

Publication

EP 1358821 B1 20060405 (DE)

Application

EP 03009511 A 20030428

Priority

DE 10219478 A 20020430

Abstract (en)

[origin: EP1358821A1] The coil spring (11) has a first end (12) pressing against a first pivoted (5) lever (4) at the front end of the seat pan (6). The lower end of the lever is pivoted (3) on the fixed seat frame (1). The spring has a guide mechanism (10,13). The second end of the spring presses on a pivot (9) on the end of a second lever (8) pivoted (7) near the rear end of the seat pan. The lever holding the backrest (20) is pivoted (18) on the seat frame. A roller (16) presses against a cam surface (17) on the second lever. A locking device (19) on the back of the seat pan consists of a pin (24) on the backrest lever engaging on teeth (22) on the end of the seat pan.

IPC 8 full level

A47C 1/032 (2006.01)

CPC (source: EP US)

A47C 1/03238 (2013.01 - EP); **A47C 1/03255** (2013.01 - EP); **A47C 1/03266** (2013.01 - EP US); **A47C 1/03272** (2013.01 - EP US); **A47C 1/03274** (2018.08 - EP US); **A47C 1/03277** (2013.01 - EP US); **A47C 1/03294** (2013.01 - EP); **A47C 31/126** (2013.01 - EP)

Cited by

JP2011522622A; CN103108572A; IT201700112144A1; CN103596469A; EP2233043A4; CN102333466A; AU2010214841B2; CN102112024A; ITVE20100062A1; CN103479120A; EP1989962A1; EP3649893A1; US9364091B2; US11096492B2; US7549701B2; WO2008149224A1; WO2016124317A1; WO2019130369A1; WO2005053461A1; WO2018073222A1; WO2019069336A1; WO2010094470A3; WO2010094470A2; US8833856B2; WO2011022856A1; US8899680B2; US11160377B2; US8172324B2; US8348342B2; US8985688B2; WO2009149358A1; WO2012072675A1; WO2007124609A3; WO2012025135A1

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