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[Continued on next page]

(54) Title: CHAIR WITH ERGONOMIC MOTION FEATURES

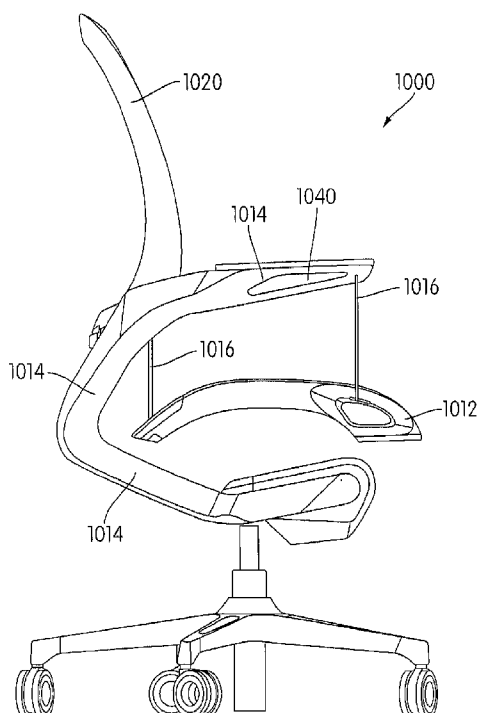


FIG. 39

(57) Abstract: A chair (1000) includes a seat pan member (1012), a movement support frame (1014), and at least two movement support members (1016) operatively connected to the seat pan member and the movement support frame. The at least two movement support members are configured to support the seat pan member in a floating manner for dynamic movement with respect to the movement support frame in at least one degree of freedom in a horizontal seating plane.



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Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

INV. A47C7/14 A47C9/00 A47C31/12 A47C7/46
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A47C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 876 311 A (COATES HAROLD E [US] ET AL) 2 March 1999 (1999-03-02)	1,2,4-9, 12-18
Y	column 4, line 10 - column 6, line 67; figures 1-10	19,20, 25,26
X	CH 242 273 A (GEEL MAX J [CH]) 30 April 1946 (1946-04-30) page 1, line 13 - page 2, line 17; figures 1-3	1-4,6,9, 10,21
X	DE 199 37 397 C1 (STABILUS GMBH [DE]) 27 April 2000 (2000-04-27) column 2, line 10 - column 3, line 50; figures 1-3	1,11,21
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Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

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Date of mailing of the international search report

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 149 729 A1 (FAURECIA SIEGES AUTOMOBILE [FR]) 31 October 2001 (2001-10-31) paragraph [0022] - paragraph [0024] -----	19,20
A	JP 2002 119362 A (IKEUCHI TEKKO KK) 23 April 2002 (2002-04-23) the whole document -----	1
X	US 8 308 240 B1 (CHOU KUO-CHING [TW] ET AL) 13 November 2012 (2012-11-13) column 2, line 20 - column 4, line 29; figures 1-14 -----	22
X	US 2011/275939 A1 (WALSH MICHAEL C [US] ET AL) 10 November 2011 (2011-11-10) paragraph [0030] - paragraph [0049]; figures 1-12 -----	23,24, 27,28 25,26

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2016/036898

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-21

seat pan with a movement in at least one degree of freedom in a horizontal seating plane.

2. claim: 22

a seat back member having a lumbar support member

3. claims: 23-28

seat having an ergonomic position sensor

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2016/036898

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5876311	A	02-03-1999	NONE
CH 242273	A	30-04-1946	NONE
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