

US00D995180S

(12) **United States Design Patent**
Deevers et al.

(10) **Patent No.:** **US D995,180 S**
(45) **Date of Patent:** **** Aug. 15, 2023**

(54) **CHAIR WITH LUMBAR SUPPORT**

(71) Applicant: **Steelcase Inc.**, Grand Rapids, MI (US)

(72) Inventors: **Nikolaus William Charles Deevers**, E Grand Rapids, MI (US); **Mark Spoelhof**, Grand Rapids, MI (US); **James Ludwig**, Grand rapids, MI (US)

(73) Assignee: **STEELCASE INC.**, Grand Rapids, MI (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/783,343**

(22) Filed: **May 12, 2021**

(51) **LOC (14) Cl.** **06-06**

(52) **U.S. Cl.**
USPC **D6/716.4**

(58) **Field of Classification Search**
USPC D6/362, 366, 368, 374, 380, 702, 713, D6/714, 716, 716.4, 716.5, 716.7, 716.8
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,041,109 A 6/1962 Eames et al.
3,606,464 A 9/1971 Arbuthnot
(Continued)

FOREIGN PATENT DOCUMENTS

JP 2013-132403 A 7/2013

OTHER PUBLICATIONS

Steelcase Karman™ Mesh Ergonomic Office & Desk Chair, available in steelcase.com, site visited Jan. 3, 2023, URL:https://www.steelcase.com/products/office-chairs/steelcase-karman/ (Year: 2023).*
(Continued)

Primary Examiner — Mary Ann Calabrese

Assistant Examiner — Mark David Wolfley

(74) *Attorney, Agent, or Firm* — Crowell & Moring LLP

(57) **CLAIM**

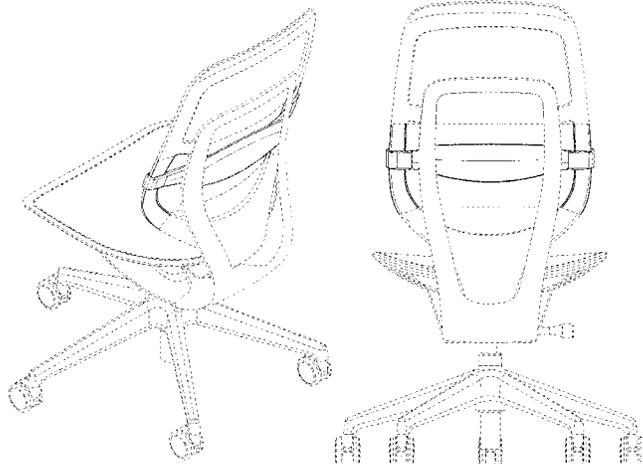
The ornamental design for a chair with lumbar support, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a chair with lumbar support in a first position of use;
FIG. 2 is a rear perspective view of the chair with lumbar support shown in FIG. 1;
FIG. 3 is a left side view of the chair with lumbar support shown in FIG. 1;
FIG. 4 is a right side view of the chair with lumbar support shown in FIG. 1;
FIG. 5 is a front view of the chair with lumbar support shown in FIG. 1;
FIG. 6 is a rear view of the chair with lumbar support shown in FIG. 1;
FIG. 7 is a top view of the chair with lumbar support shown in FIG. 1;
FIG. 8 is a bottom view of the chair with lumbar support shown in FIG. 1;
FIG. 9 is a front perspective view of a chair with lumbar support in a second position of use;
FIG. 10 is a rear perspective view of the chair with lumbar support shown in FIG. 9;
FIG. 11 is a left side view of the chair with lumbar support shown in FIG. 9;
FIG. 12 is a right side view of the chair with lumbar support shown in FIG. 9;
FIG. 13 is a front view of the chair with lumbar support shown in FIG. 9;
FIG. 14 is a rear view of the chair with lumbar support shown in FIG. 9;
FIG. 15 is a top view of the chair with lumbar support shown in FIG. 9; and,
FIG. 16 is a bottom view of the chair with lumbar support shown in FIG. 9.

The upper and lower horizontal broken lines extending across a backrest component of the chair in FIGS. 1-16 define the upper and lower bounds of the claimed design and

(Continued)



form no part thereof. The broken lines showing the remaining portions of the chair are for the purpose of illustrating the portions of the chair and form no part of the claimed design.

1 Claim, 16 Drawing Sheets

(58) Field of Classification Search

CPC A47C 7/00; A47C 7/36; A47C 7/38; A47C 7/40; A47C 7/42; A47C 7/425; A47C 7/46; A47C 7/462

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

4,545,614	A	10/1985	Abu-Isa et al.	
4,555,136	A	11/1985	Dranger	
4,555,139	A	11/1985	Leib	
4,826,249	A	5/1989	Bradbury	
4,869,554	A	9/1989	Abu-Isa et al.	
5,354,120	A	10/1994	Völkle	
5,457,968	A	10/1995	McClintock et al.	
5,855,991	A	1/1999	McLarty, III	
6,050,646	A	4/2000	Stenzel et al.	
D449,457	S *	10/2001	Su	D6/366
6,341,822	B2	1/2002	Apissomian	
6,632,756	B1	10/2003	Waldrop et al.	
D487,359	S	3/2004	Giugiaro	
6,729,691	B2	5/2004	Koepke et al.	
6,749,261	B2	6/2004	Knoblock et al.	
6,814,412	B2	11/2004	Cramb, III et al.	
6,983,997	B2	1/2006	Wilkinson et al.	
7,055,911	B2	6/2006	Simpson et al.	
D527,920	S	9/2006	Giugiaro	
D528,811	S	9/2006	Giugiaro	
7,159,943	B2	1/2007	Costaglia	
D541,062	S *	4/2007	Su	D6/366
D576,809	S	9/2008	Christianson et al.	
7,425,039	B2	9/2008	Lin	
D579,223	S *	10/2008	Greutmann	D6/366
7,441,839	B2	10/2008	Pennington et al.	
7,568,765	B2	8/2009	Bräuning	
D604,527	S *	11/2009	Ooki	D6/366
7,712,833	B2	5/2010	Ueda	
7,837,272	B2	11/2010	Masunaga et al.	
D646,088	S	10/2011	Ballendat	
8,087,727	B2	1/2012	Parker et al.	
8,113,582	B2	2/2012	Liu	
D658,904	S	5/2012	Chen	
D663,129	S	7/2012	Greutmann	
D675,456	S	2/2013	Sexton	
D683,150	S	5/2013	Smith et al.	
D683,151	S	5/2013	Smith et al.	
D688,497	S	8/2013	Smith et al.	
D688,498	S	8/2013	Smith et al.	
D688,499	S	8/2013	Smith et al.	
D688,500	S	8/2013	Smith et al.	
D688,501	S	8/2013	Smith et al.	
D688,503	S	8/2013	Smith et al.	
D688,504	S	8/2013	Smith et al.	
D688,505	S	8/2013	Smith et al.	
D689,312	S	9/2013	Smith et al.	
D689,313	S	9/2013	Smith et al.	
D689,314	S	9/2013	Smith et al.	
D689,317	S	9/2013	Smith et al.	
D689,318	S	9/2013	Smith et al.	
D690,146	S	9/2013	Smith et al.	
D690,547	S	10/2013	Smith et al.	
D694,536	S	12/2013	Smith et al.	
D694,537	S	12/2013	Smith et al.	
D694,538	S	12/2013	Smith et al.	
D694,539	S	12/2013	Smith et al.	
D694,540	S	12/2013	Smith et al.	
D695,034	S	12/2013	Smith et al.	
D697,726	S	1/2014	Smith et al.	
D697,728	S	1/2014	Smith et al.	
D697,729	S	1/2014	Smith et al.	
D697,730	S	1/2014	Smith et al.	
D698,164	S	1/2014	Smith et al.	
D698,165	S	1/2014	Smith et al.	
D698,166	S	1/2014	Smith et al.	
D699,957	S	2/2014	Smith et al.	
D699,958	S	2/2014	Smith et al.	
D699,959	S	2/2014	Smith et al.	
D699,994	S	2/2014	Smith et al.	
D701,053	S	3/2014	Smith et al.	
8,690,249	B2	4/2014	Kang et al.	
8,794,701	B2	8/2014	Nakayama et al.	
8,998,339	B2	4/2015	Peterson et al.	
D733,445	S	7/2015	Izawa et al.	
D742,676	S	11/2015	Smith et al.	
D742,677	S	11/2015	Smith et al.	
D742,678	S	11/2015	Smith et al.	
D750,406	S	3/2016	Smith et al.	
9,560,917	B2	2/2017	Roslund, Jr.	
D781,604	S	3/2017	Smith et al.	
D781,605	S	3/2017	Smith et al.	
9,622,579	B2	4/2017	Wilkinson et al.	
9,648,957	B2	5/2017	Su	
D802,951	S	11/2017	Ludwig et al.	
D802,952	S	11/2017	Ludwig et al.	
D804,209	S	12/2017	Ludwig et al.	
D804,839	S	12/2017	Ludwig et al.	
D804,840	S	12/2017	Ludwig et al.	
D804,841	S	12/2017	Ludwig et al.	
D804,875	S	12/2017	Ludwig et al.	
D804,876	S	12/2017	Ludwig et al.	
D808,187	S	1/2018	Ludwig et al.	
D821,793	S	7/2018	Ludwig et al.	
D834,844	S	12/2018	Chan et al.	
10,173,567	B2	1/2019	Madrigal et al.	
D870,479	S	12/2019	Deevers et al.	
D873,576	S	1/2020	Engelhardt	
D874,202	S	2/2020	Schmitz et al.	
D879,523	S	3/2020	Lampela et al.	
D881,621	S	4/2020	Jin et al.	
D920,696	S *	6/2021	Su	D6/366
D925,956	S *	7/2021	Lampela	D6/366
D961,315	S *	8/2022	Deevers	D6/716
2003/0189367	A1	10/2003	Erker	
2007/0216208	A1 *	9/2007	Maier	A47C 7/46 297/284.7
2009/0018833	A1	1/2009	Kozat et al.	
2009/0261644	A1	10/2009	Piretti	
2011/0233979	A1	9/2011	An	
2013/0341980	A1	12/2013	Halliday et al.	
2018/0310721	A1	11/2018	Schmitz et al.	
2020/0085194	A1	3/2020	Maier et al.	
2021/0093092	A1 *	4/2021	Deevers	A47C 31/02

OTHER PUBLICATIONS

Design 008609242-0003, application date Jul. 8, 2021, country code EU, publication date Jul. 20, 2021, owner Steelcase Inc., creators Nikolaus William Charles Deevers, Mark Spoelhof, James Ludwig (Year: 2021).*

Herman Miller Celle Chair, available in officechairwork.com, oldest review of Dec. 19, 2019, site visited Jan. 3, 2023, URL: <https://officechairwork.com/product/herman-miller-celle-chair-cellular-suspension-back-adjustable-arms-adjustable-lumbar-support/> (Year: 2019).*

Sedus brochure, "se:motion, Office swivel chair for agile working", obtained from the Internet at: www.sedus.com, not dated, 20 pgs. Design U.S. Appl. No. 29/767,701, filed Jan. 20, 2021.

Design U.S. Appl. No. 29/767,102, filed Jan. 20, 2021.

* cited by examiner

FIG. 1

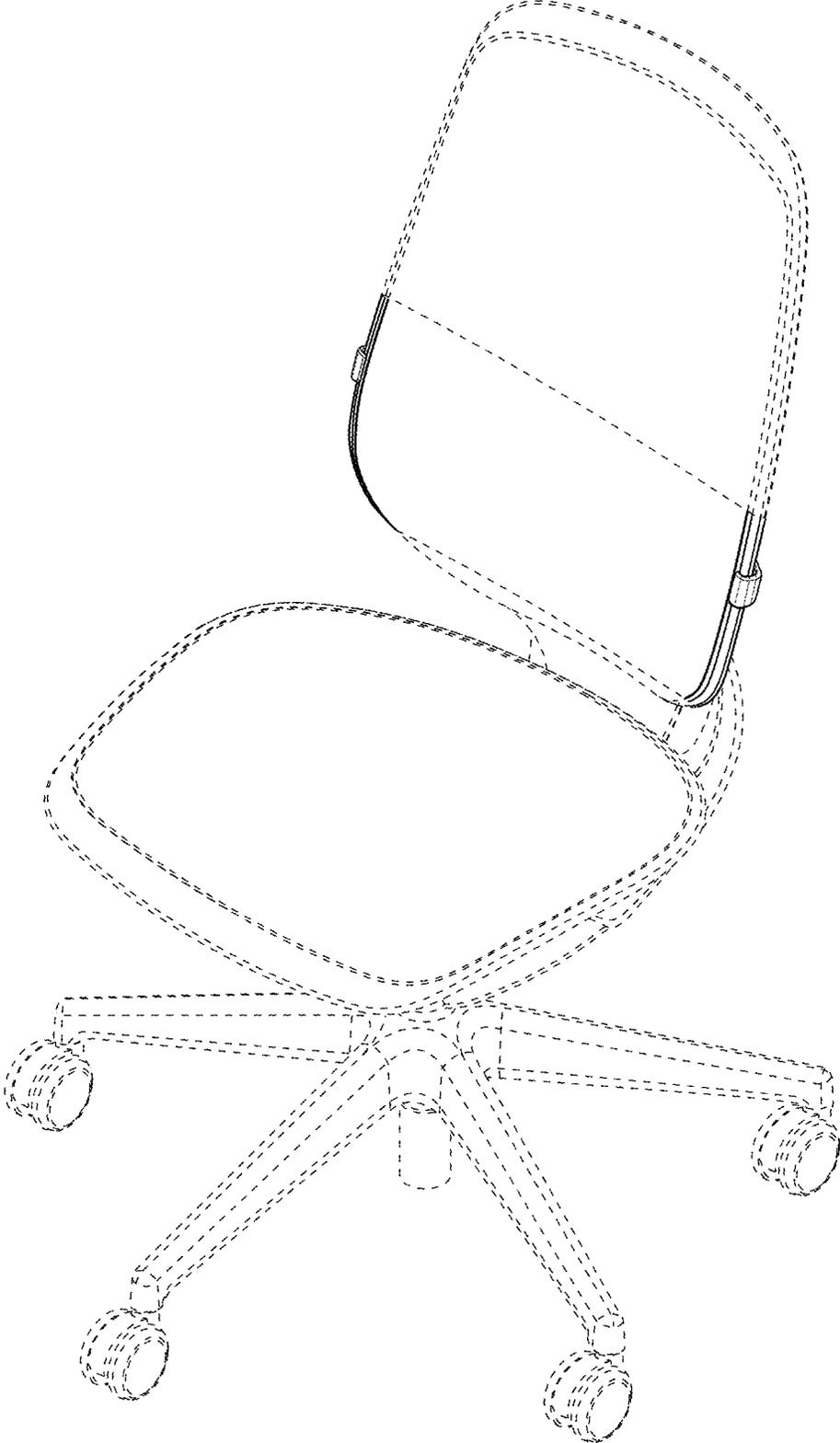


FIG. 2

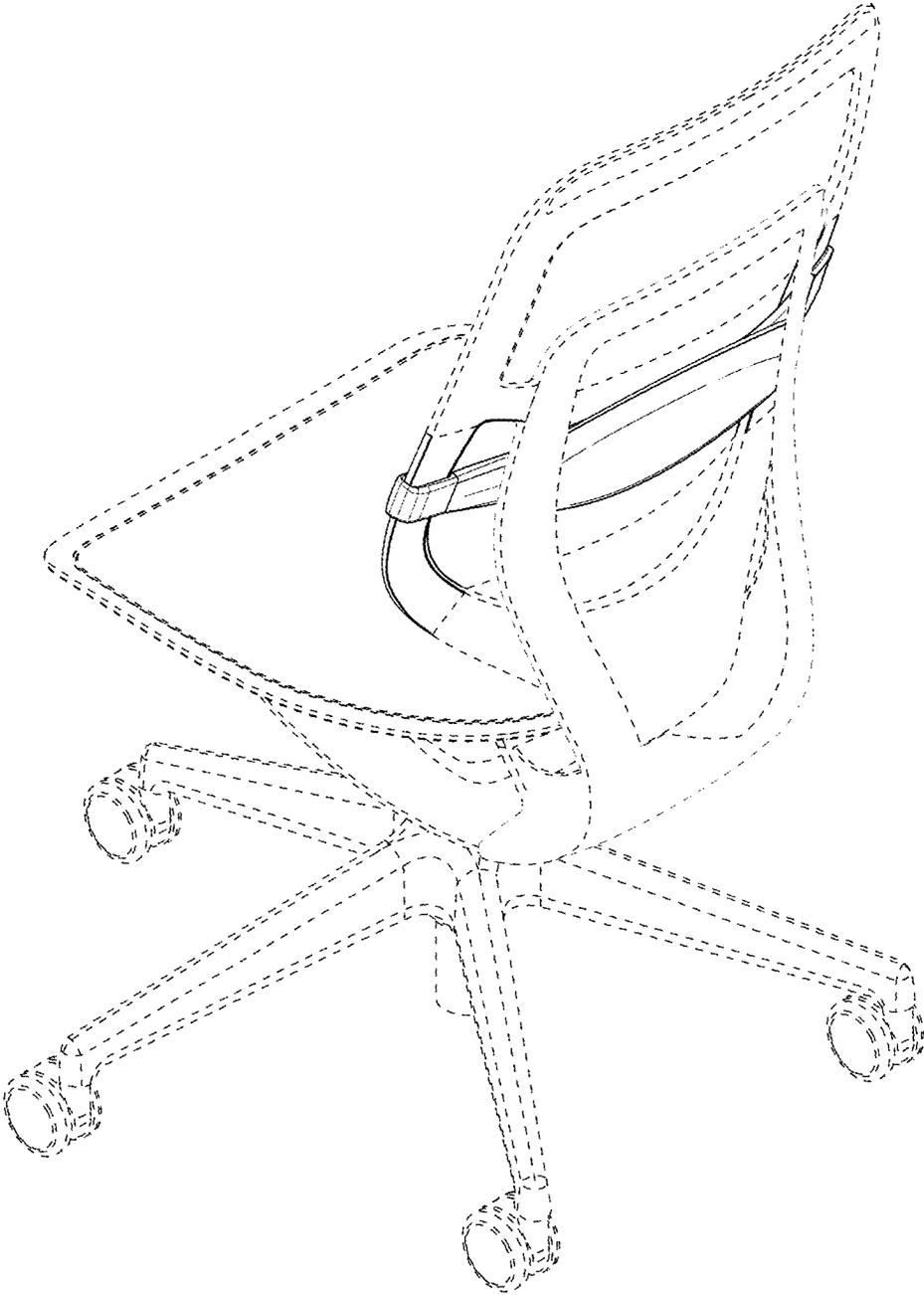


FIG. 3

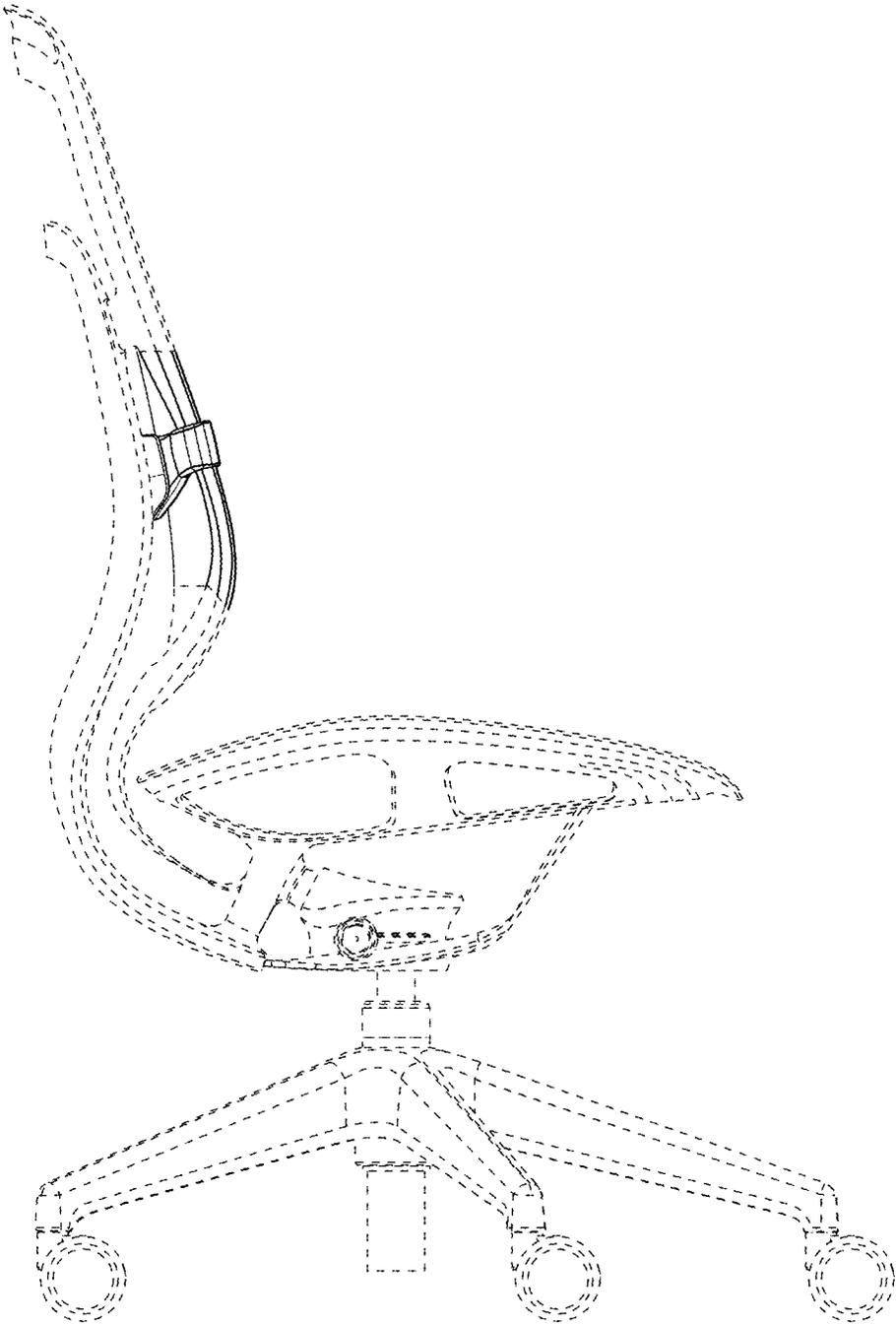


FIG. 4

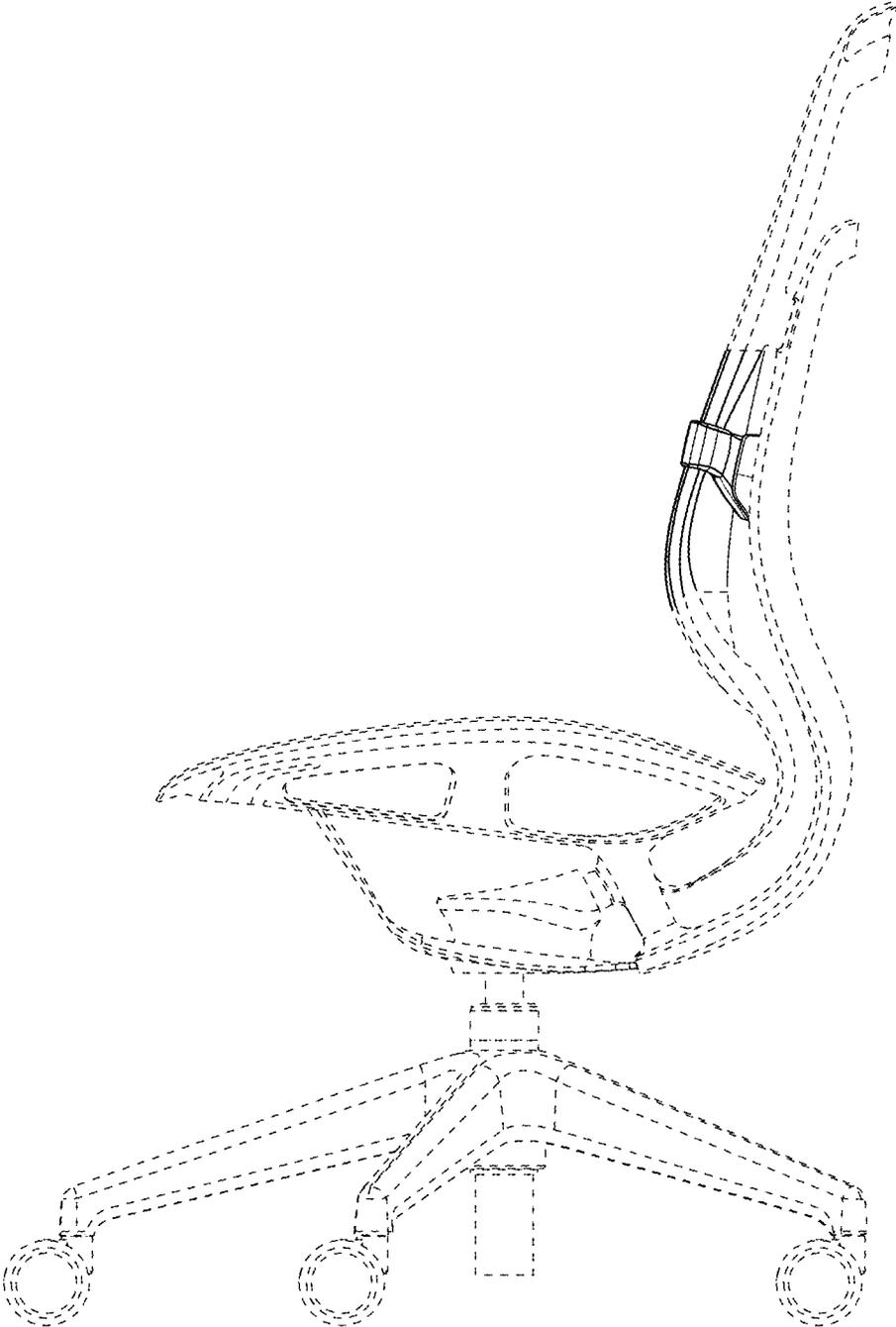


FIG. 5

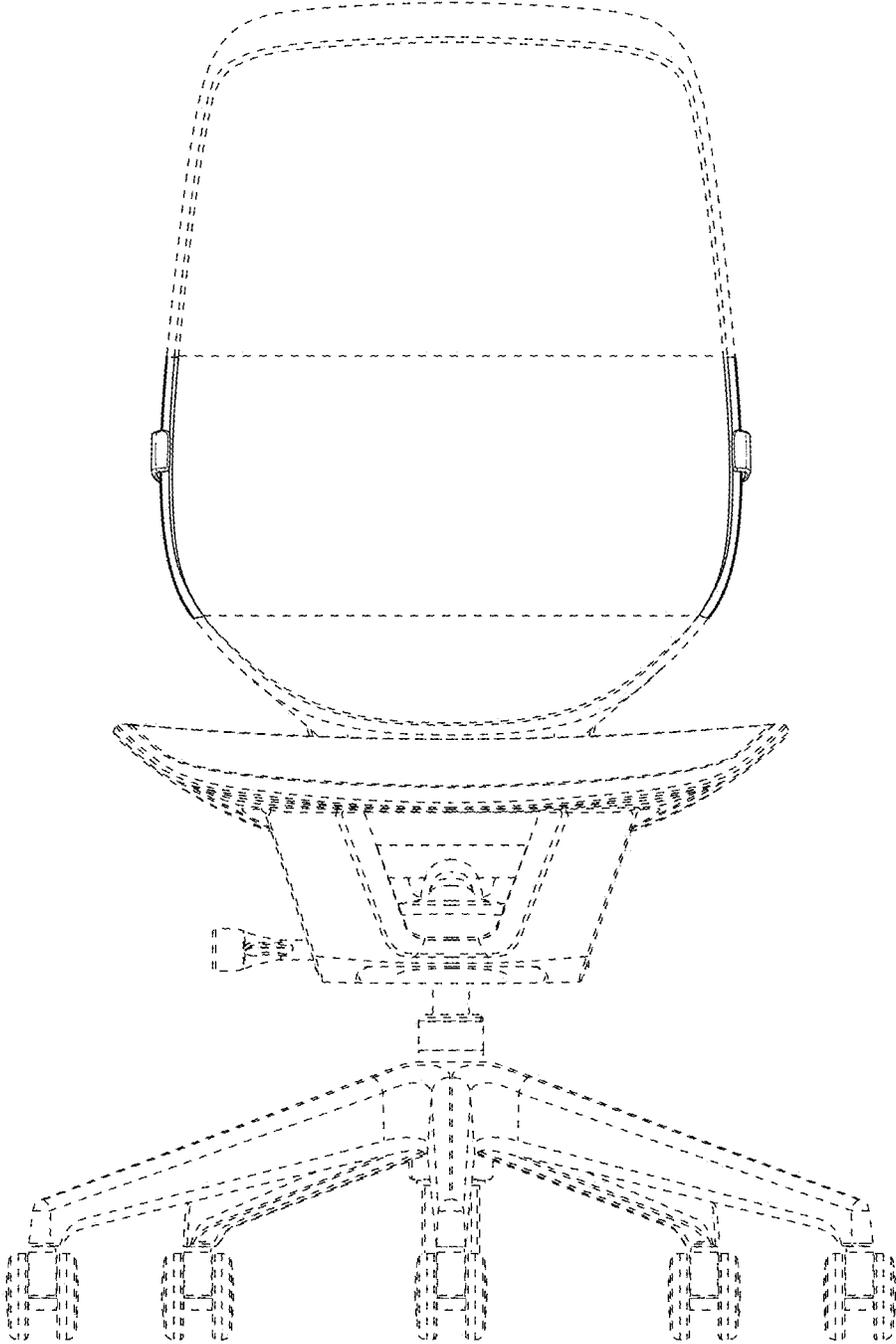


FIG. 6

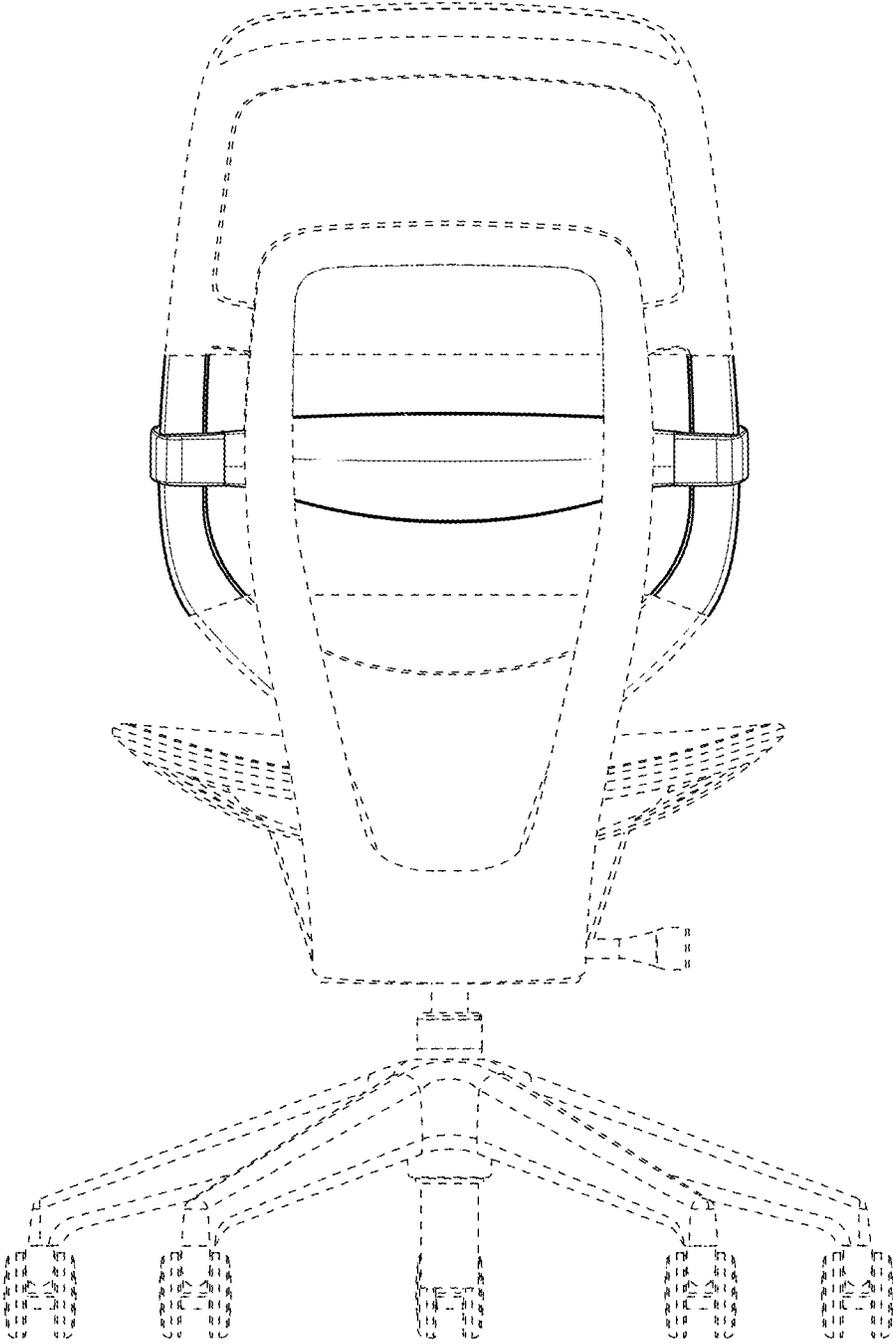


FIG. 7

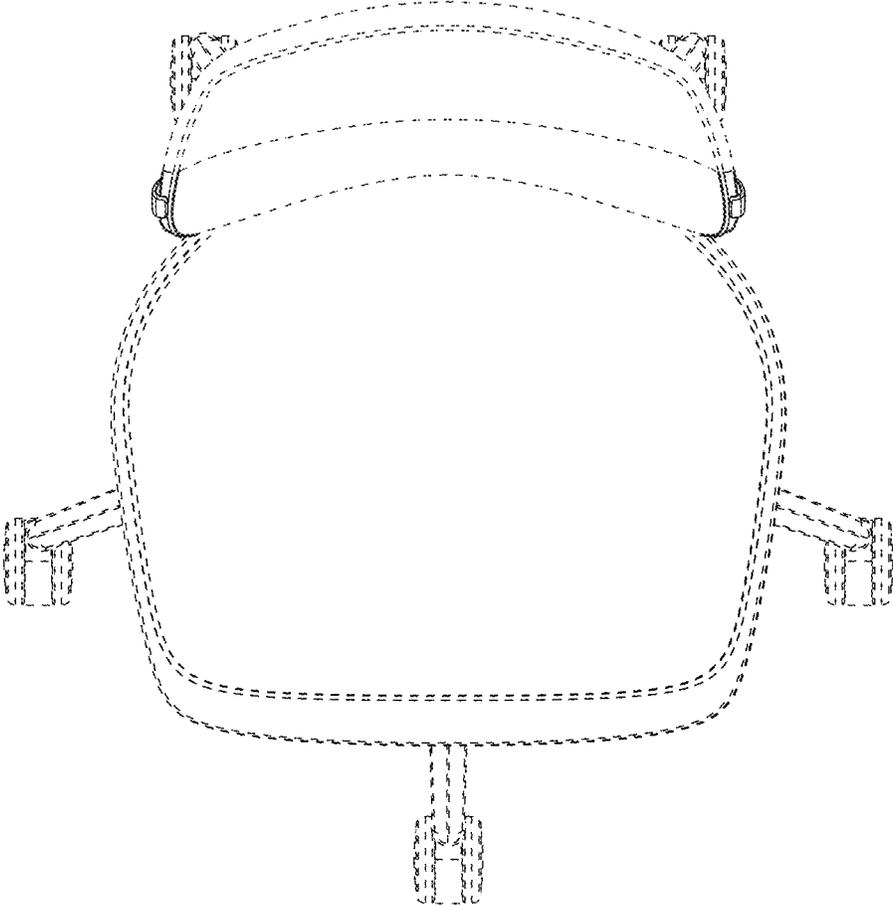


FIG. 8

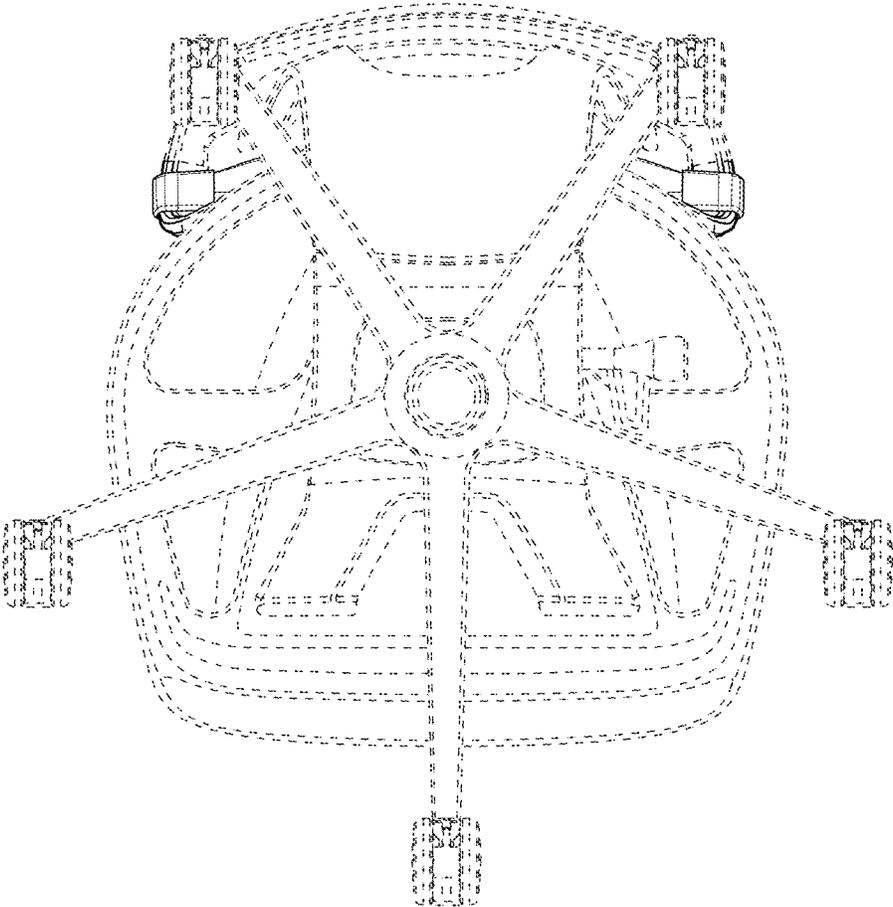


FIG. 9

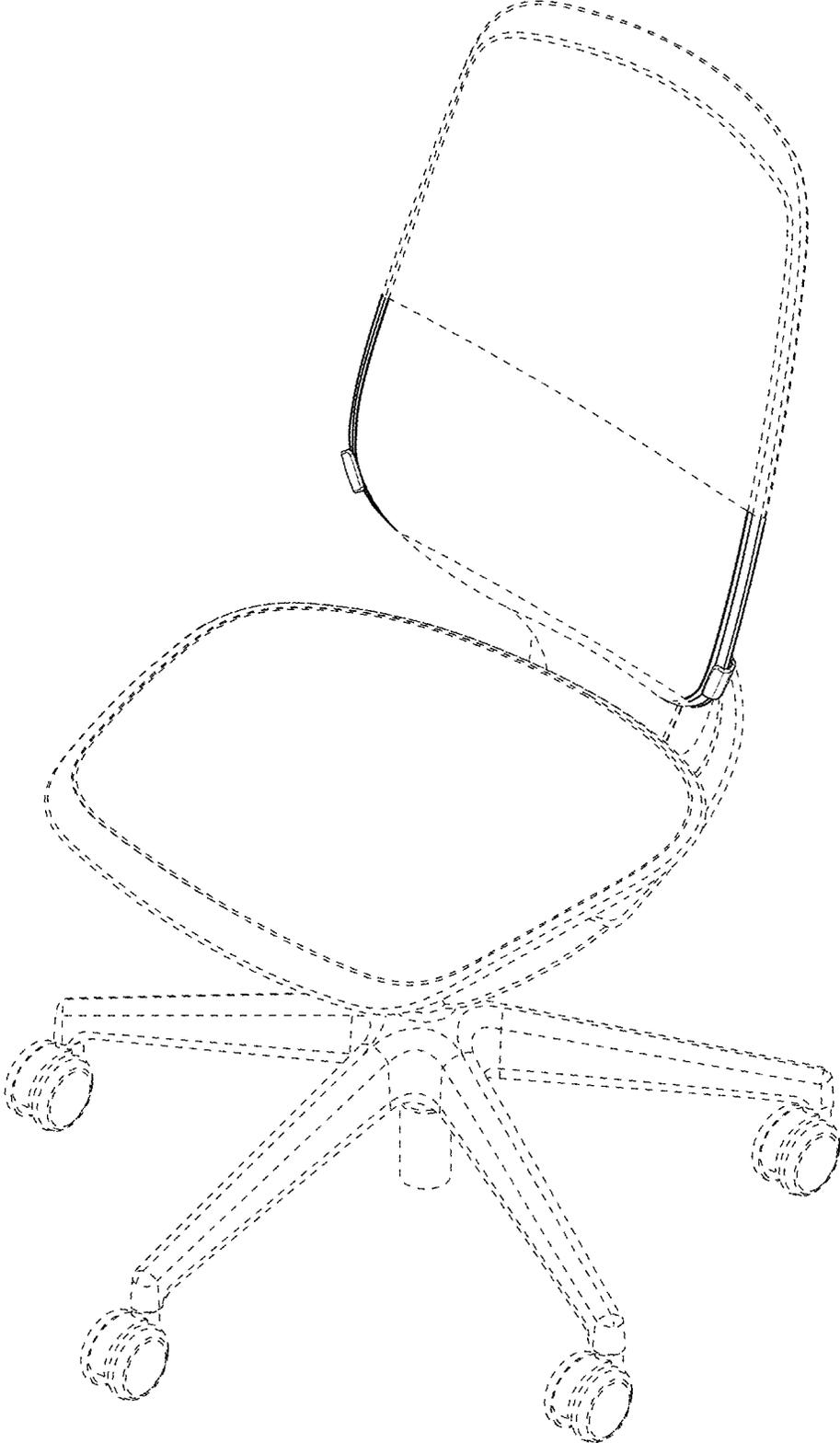


FIG. 10

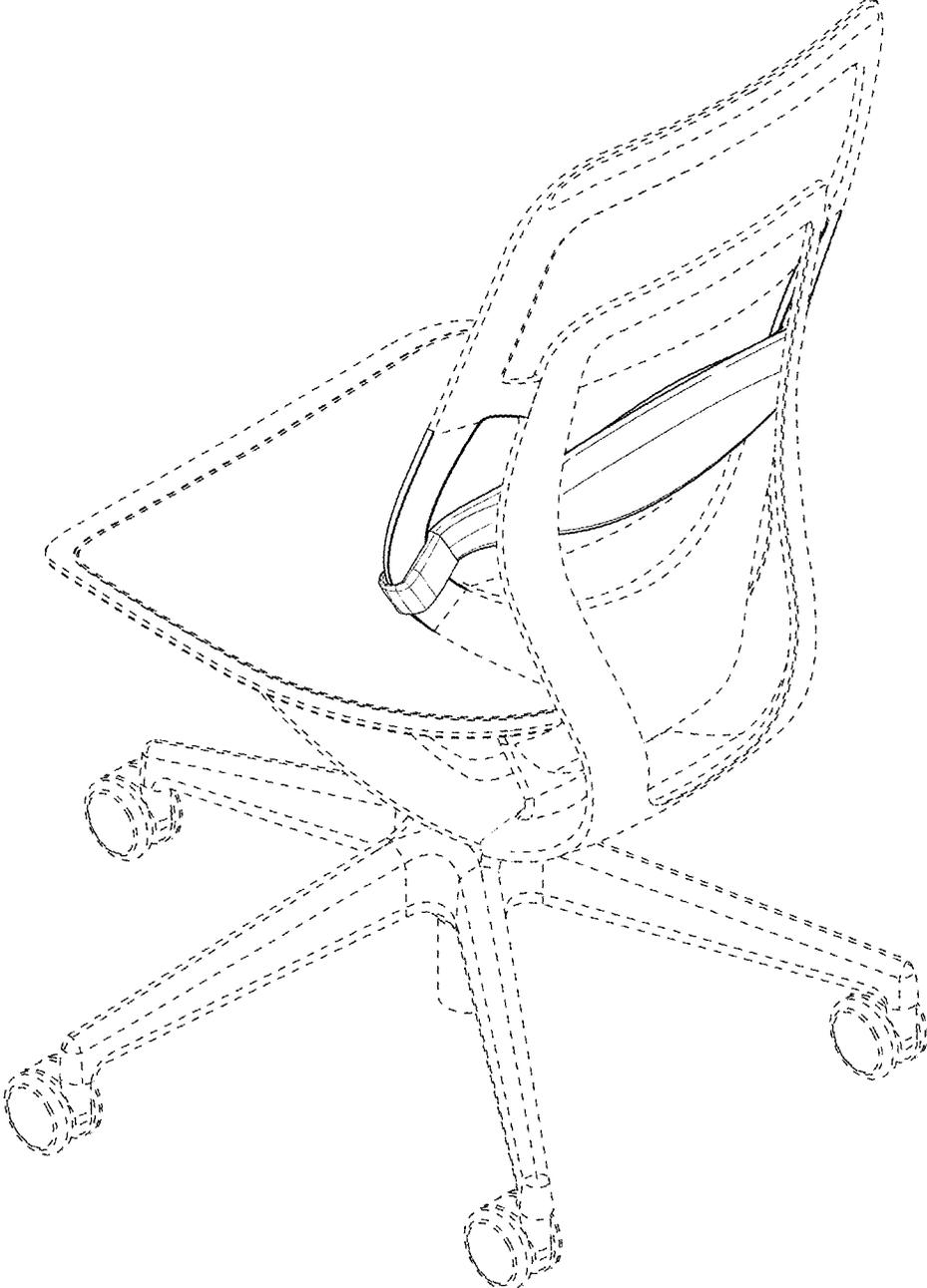


FIG. 11

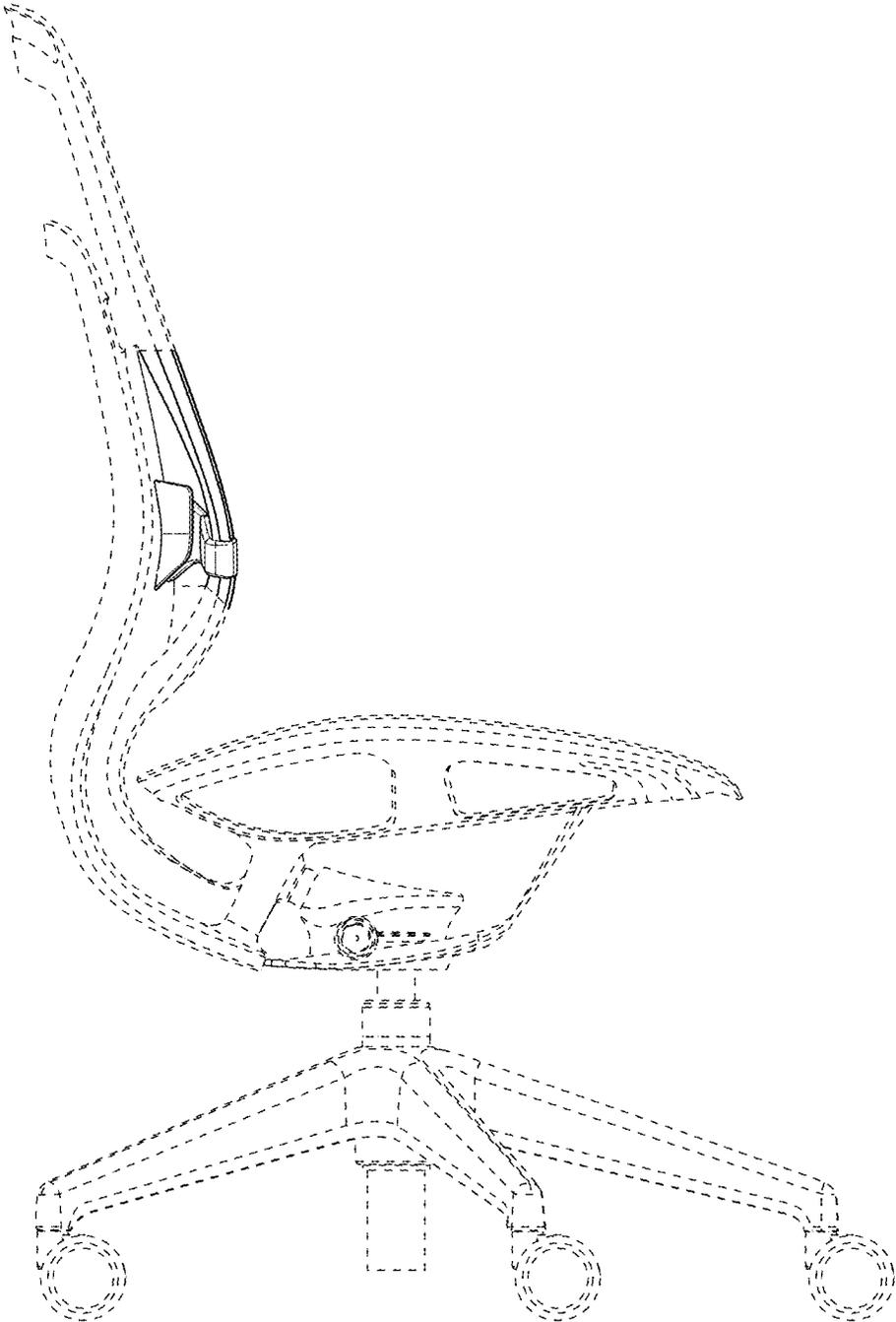


FIG. 12

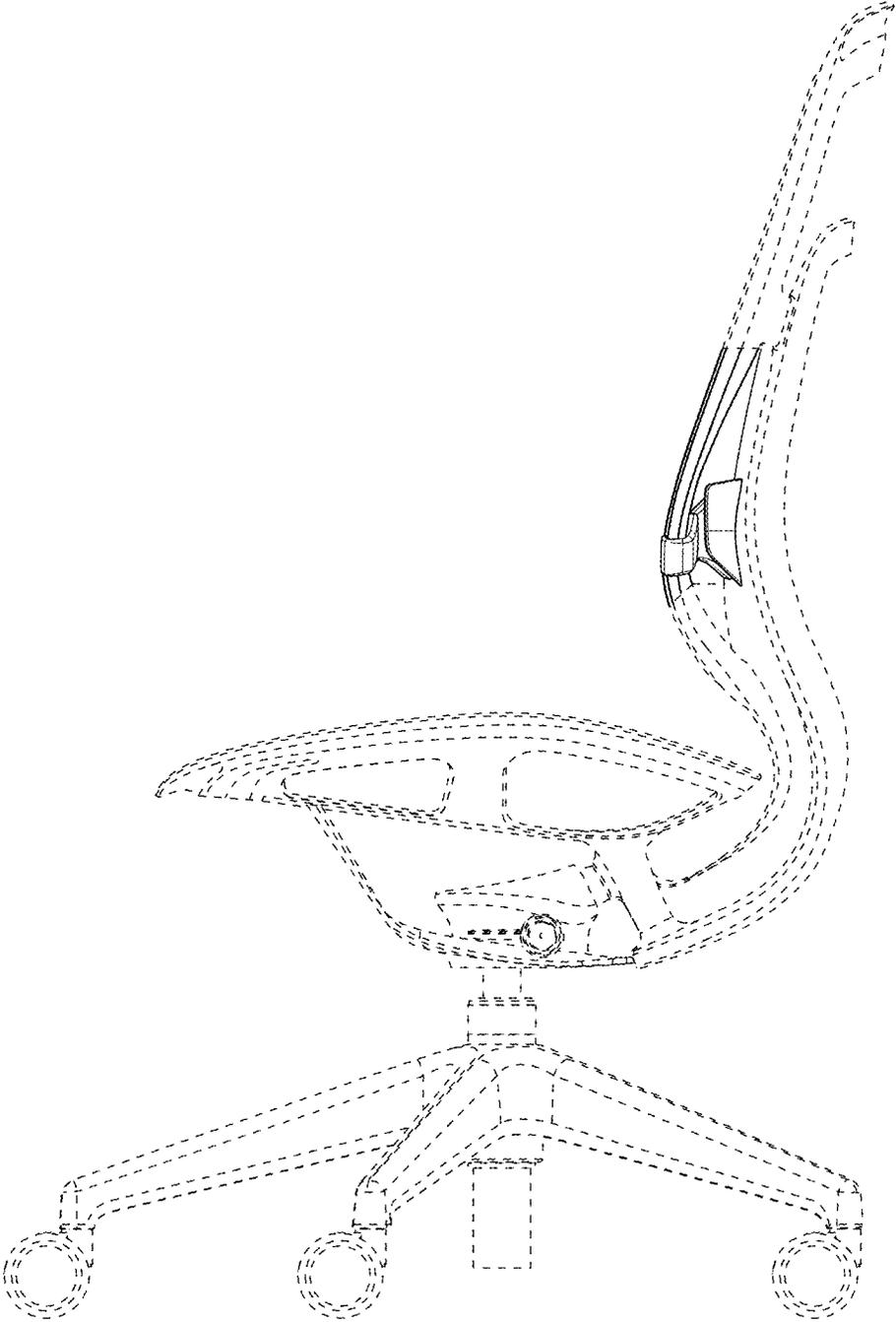


FIG. 13

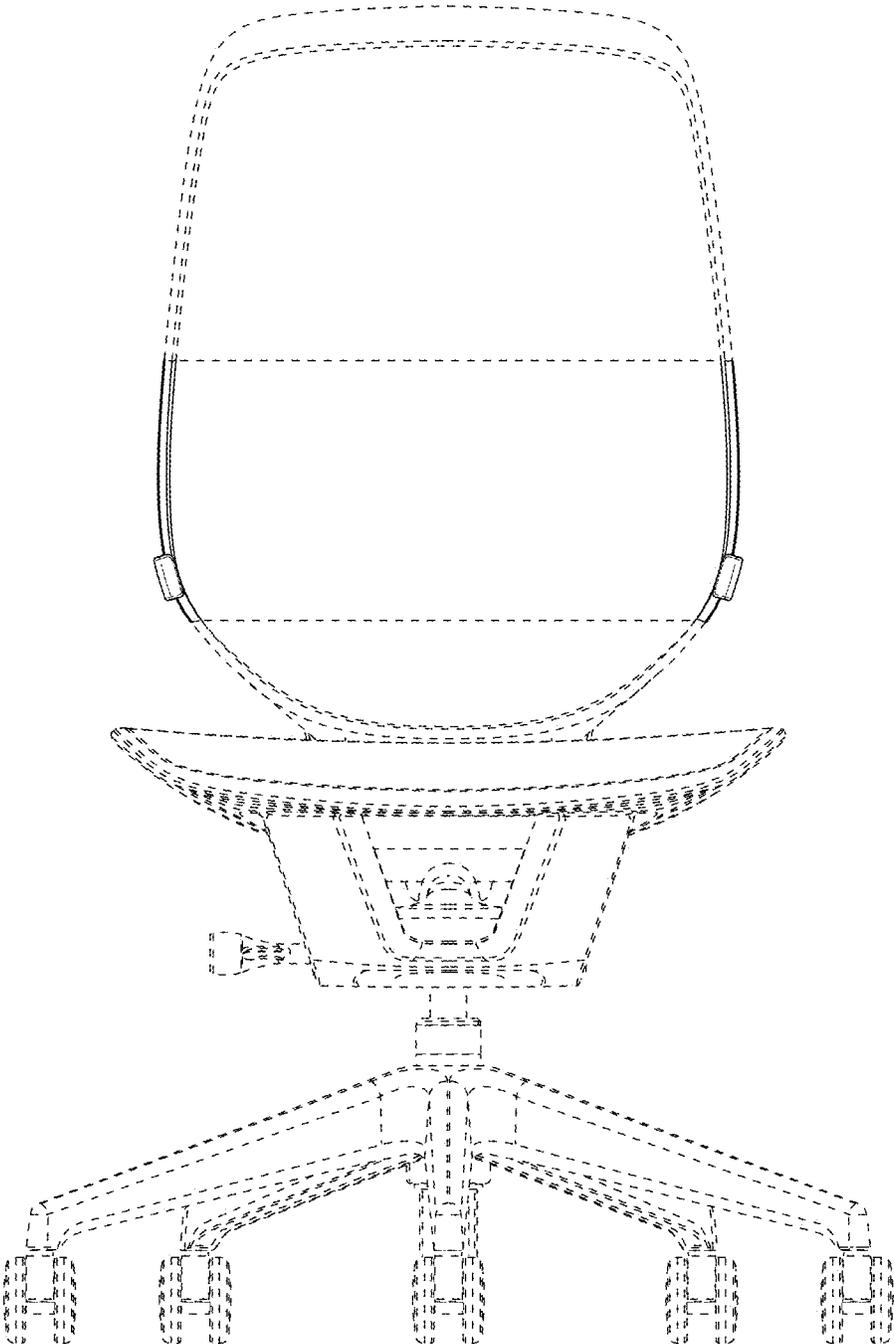


FIG. 14

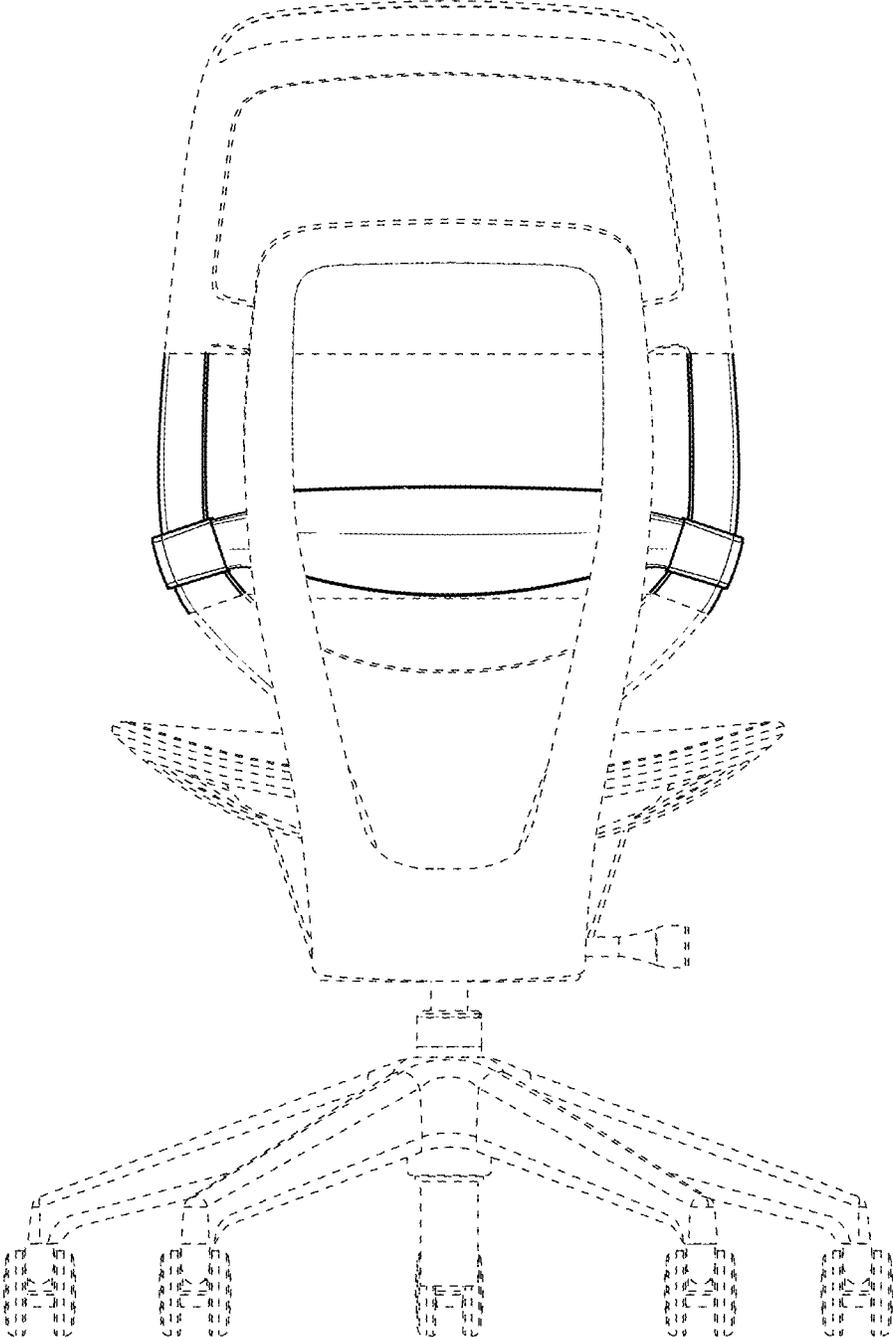


FIG. 15

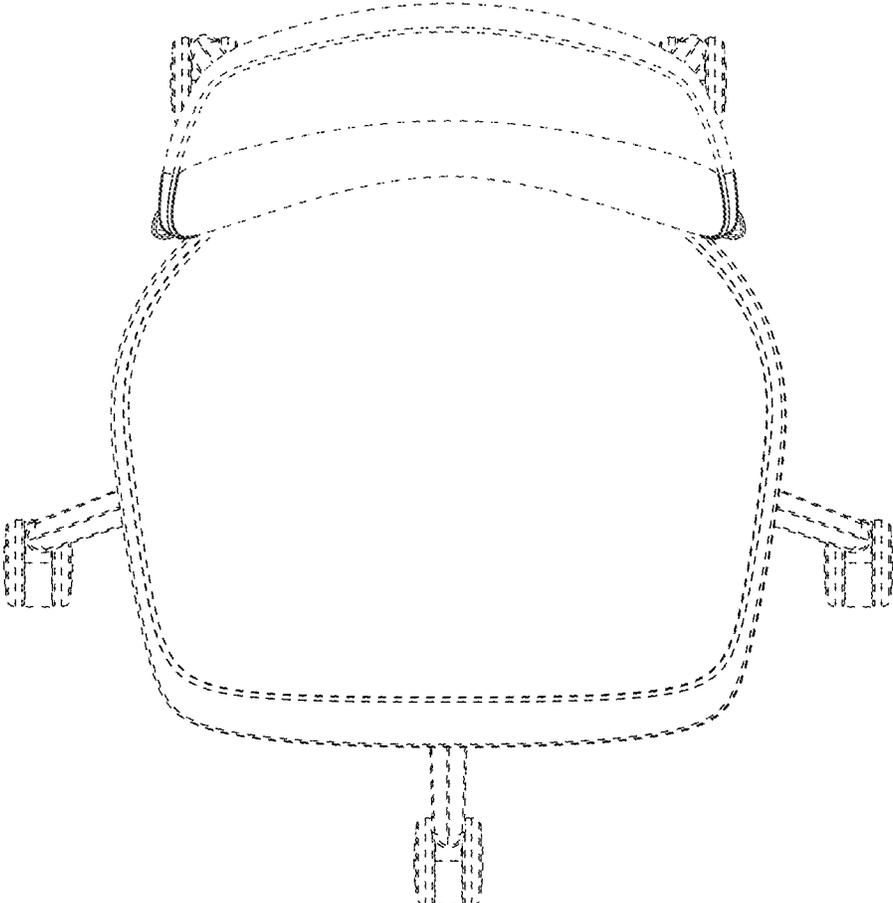


FIG. 16

