

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
03 April 2025 (03.04.2025)



(10) International Publication Number
WO 2025/072399 A1

(51) International Patent Classification:	63/555,950	21 February 2024 (21.02.2024)	US
<i>B60N 2/28</i> (2006.01) <i>B60N 2/42</i> (2006.01)	63/561,020	04 March 2024 (04.03.2024)	US
(21) International Application Number:	63/567,967	21 March 2024 (21.03.2024)	US
PCT/US2024/048501	63/568,132	21 March 2024 (21.03.2024)	US
(22) International Filing Date:	63/571,037	28 March 2024 (28.03.2024)	US
26 September 2024 (26.09.2024)	63/574,681	04 April 2024 (04.04.2024)	US
(25) Filing Language:	63/632,234	10 April 2024 (10.04.2024)	US
English	63/633,096	12 April 2024 (12.04.2024)	US
(26) Publication Language:	63/633,321	12 April 2024 (12.04.2024)	US
English	63/633,401	12 April 2024 (12.04.2024)	US
(30) Priority Data:	63/633,416	12 April 2024 (12.04.2024)	US
63/586,325 28 September 2023 (28.09.2023) US	63/635,674	18 April 2024 (18.04.2024)	US
63/586,914 29 September 2023 (29.09.2023) US	63/637,186	22 April 2024 (22.04.2024)	US
63/590,009 13 October 2023 (13.10.2023) US	63/641,742	02 May 2024 (02.05.2024)	US
63/593,255 26 October 2023 (26.10.2023) US	63/644,886	09 May 2024 (09.05.2024)	US
63/593,267 26 October 2023 (26.10.2023) US	63/649,011	17 May 2024 (17.05.2024)	US
63/594,252 30 October 2023 (30.10.2023) US	63/662,715	21 June 2024 (21.06.2024)	US
63/597,310 08 November 2023 (08.11.2023) US	63/662,717	21 June 2024 (21.06.2024)	US
63/601,806 22 November 2023 (22.11.2023) US	63/663,431	24 June 2024 (24.06.2024)	US
63/601,808 22 November 2023 (22.11.2023) US	63/666,334	01 July 2024 (01.07.2024)	US
63/607,899 08 December 2023 (08.12.2023) US	63/666,909	02 July 2024 (02.07.2024)	US
63/607,906 08 December 2023 (08.12.2023) US	63/672,797	18 July 2024 (18.07.2024)	US
63/614,211 22 December 2023 (22.12.2023) US	63/675,779	26 July 2024 (26.07.2024)	US
63/614,245 22 December 2023 (22.12.2023) US	63/678,269	01 August 2024 (01.08.2024)	US
63/623,848 23 January 2024 (23.01.2024) US	63/687,927	28 August 2024 (28.08.2024)	US
63/624,861 25 January 2024 (25.01.2024) US	63/690,014	03 September 2024 (03.09.2024)	US
63/550,880 07 February 2024 (07.02.2024) US	63/696,645	19 September 2024 (19.09.2024)	US
63/553,977 15 February 2024 (15.02.2024) US	63/697,008	20 September 2024 (20.09.2024)	US
	63/697,012	20 September 2024 (20.09.2024)	US

(54) Title: SIDE IMPACT PROTECTION ON CAR SEAT

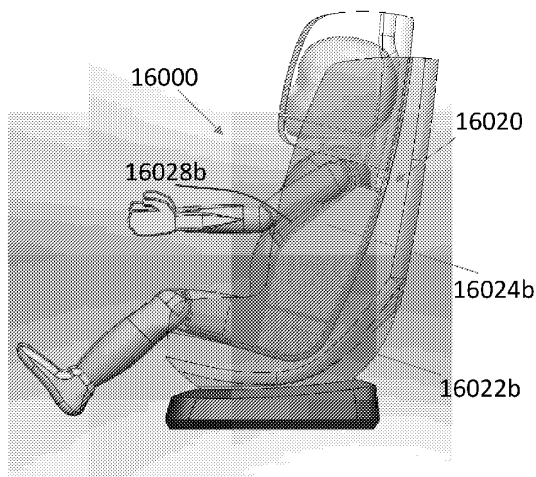


FIG. 219D

(57) Abstract: A child seat for receiving an occupant includes a seat body having a seat portion and a back portion extending from the seat portion. The back portion includes an upright support surface and at least one upright side member. A side impact protection (SIP) device is arranged at the seat body. The SIP device is at least one of shaped and positioned to move an arm of the occupant away from the upright support surface during a crash impact.

WO 2025/072399 A1

[Continued on next page]

63/697,016 20 September 2024 (20.09.2024) US

(71) **Applicant: WONDERLAND SWITZERLAND AG**
[CH/CH]; Beim Bahnhof 5, 6312 Steinhausen (CH).

(72) **Inventor; and**

(71) **Applicant (for BZ only): SELLERS, Gregory S.** [US/US];
70 Thousand Oaks Blvd., Morgantown, Pennsylvania
19543 (US).

(72) **Inventors: WILLIAMS, Bruce L.**; 70 Thousand Oaks
Blvd., Morgantown, Pennsylvania 19543 (US). **LEHMAN,**
David A.; 70 Thousand Oaks Blvd, Morgantown, Pennsyl-
vania 19543 (US). **MASON, Kyle S.**; 70 Thousand Oaks
Blvd, Morgantown, Pennsylvania 19543 (US). **MALM,**
Leif; 70 Thousand Oaks Blvd, Morgantown, Pennsylvania
19543 (US). **HORST, Andrew J.**; 70 Thousand Oaks Blvd,
Morgantown, Pennsylvania 19543 (US). **HARTENSTINE,**
Zachary C.; 70 Thousand Oaks Blvd, Morgantown, Penn-
sylvania 19543 (US). **TAYLOR, Andrew J.**; 70 Thou-
sand Oaks Blvd., Morgantown, Pennsylvania 19543 (US).
SHELDRIK, Jennifer E.; 70 Thousand Oaks Blvd.,
Morgantown, Pennsylvania 19453 (US).

(74) **Agent: HAYTER, Alicia**; CANTOR COLBURN LLP, 20
Church Street, Floor 22, Hartford, Connecticut 06103 (US).

(81) **Designated States (unless otherwise indicated, for every
kind of national protection available):** AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) **Designated States (unless otherwise indicated, for every
kind of regional protection available):** ARIPO (BW, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST,
SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ,
RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ,
DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,
LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,
SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, KM, ML, MR, NE, SN, TD, TG).

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))