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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 September 2025 (25.09.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/198869 A1

(51) International Patent Classification:
B60N 2/28 (2006.01)

(21) International Application Number:
PCT/US2025/018832

(22) International Filing Date:
07 March 2025 (07.03.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

63/567,967	21 March 2024 (21.03.2024)	US
63/568,132	21 March 2024 (21.03.2024)	US
63/571,037	28 March 2024 (28.03.2024)	US
63/574,681	04 April 2024 (04.04.2024)	US
63/632,234	10 April 2024 (10.04.2024)	US
63/633,096	12 April 2024 (12.04.2024)	US
63/633,321	12 April 2024 (12.04.2024)	US
63/633,401	12 April 2024 (12.04.2024)	US
63/633,416	12 April 2024 (12.04.2024)	US
63/635,674	18 April 2024 (18.04.2024)	US
63/637,186	22 April 2024 (22.04.2024)	US
63/641,742	02 May 2024 (02.05.2024)	US
63/644,886	09 May 2024 (09.05.2024)	US
63/649,011	17 May 2024 (17.05.2024)	US
63/662,715	21 June 2024 (21.06.2024)	US
63/662,717	21 June 2024 (21.06.2024)	US
63/663,431	24 June 2024 (24.06.2024)	US
63/666,334	01 July 2024 (01.07.2024)	US
63/666,909	02 July 2024 (02.07.2024)	US
63/672,797	18 July 2024 (18.07.2024)	US
63/675,779	26 July 2024 (26.07.2024)	US
63/678,269	01 August 2024 (01.08.2024)	US
63/687,927	28 August 2024 (28.08.2024)	US
63/690,014	03 September 2024 (03.09.2024)	US
63/696,645	19 September 2024 (19.09.2024)	US
63/697,008	20 September 2024 (20.09.2024)	US
63/697,012	20 September 2024 (20.09.2024)	US
63/697,016	20 September 2024 (20.09.2024)	US
63/699,232	26 September 2024 (26.09.2024)	US
63/705,287	09 October 2024 (09.10.2024)	US
63/705,690	10 October 2024 (10.10.2024)	US
63/710,299	22 October 2024 (22.10.2024)	US

(54) **Title:** SIDE IMPACT PROTECTION ON CAR SEAT

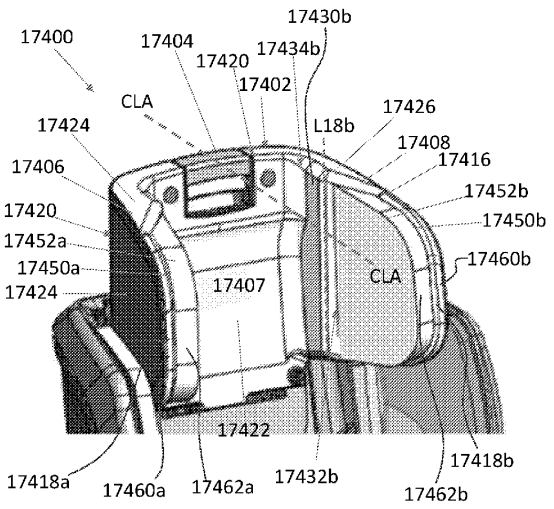


FIG. 243A

(57) **Abstract:** A child seat for receiving an occupant includes a seat body and a headrest connected to the seat body. The headrest includes a headrest inner member having a back portion and at least one side portion extending from the back portion toward a front of the headrest. At least one side impact protection (SIP) device is arranged at the at least one side portion of the headrest inner member and a headrest support member is positioned at the back portion of the headrest inner member.

[Continued on next page]

WO 2025/198869 A1

63/711,185	24 October 2024 (24.10.2024)	US
63/714,361	31 October 2024 (31.10.2024)	US
63/719,831	13 November 2024 (13.11.2024)	US
63/729,088	06 December 2024 (06.12.2024)	US
63/729,091	06 December 2024 (06.12.2024)	US
63/733,231	12 December 2024 (12.12.2024)	US
63/753,107	03 February 2025 (03.02.2025)	US
63/760,750	20 February 2025 (20.02.2025)	US
63/764,102	27 February 2025 (27.02.2025)	US
63/766,086	03 March 2025 (03.03.2025)	US

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

(72) **Inventor; and**

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

(72) **Inventors: MALM, Leif**; 70 Thousand Oaks Blvd, Morgantown, Pennsylvania 19543 (US). **KEEBLER, Nathaniel W.**; 70 Thousand Oaks Blvd, Morgantown, Pennsylvania 19543 (US). **MASON, Kyle S.**; 70 Thousand Oaks Blvd, Morgantown, Pennsylvania 19543 (US). **SELLERS, Gregory S.**; 70 Thousand Oaks Blvd., Morgantown, Pennsylvania 19543 (US). **WILLIAMS, Bruce L.**; 70 Thousand Oaks Blvd., Morgantown, Pennsylvania 19543 (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, UY, 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))*