

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
04 September 2025 (04.09.2025)



(10) International Publication Number
WO 2025/184014 A1

(51) International Patent Classification:

B60N 2/427 (2006.01) *B60N 2/90* (2018.01)
A63G 7/00 (2006.01) *B60R 21/02* (2006.01)

(21) International Application Number:

PCT/US2025/016989

(22) International Filing Date:

24 February 2025 (24.02.2025)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/558,404 27 February 2024 (27.02.2024) US
18/641,048 19 April 2024 (19.04.2024) US

(71) Applicant: **UNIVERSAL CITY STUDIOS LLC**
[US/US]; 100 Universal City Plaza, Universal City, California 91608 (US).

(72) Inventors: **HAN, Ji Hyun**; 1000 Universal Studios Plaza, Orlando, Florida 32819 (US). **FREEDMAN, Daniel Matthew**; 1000 Universal Studios Plaza, Orlando, Florida 32819 (US). **MORGAN, Zach**; 1000 Universal Studios Plaza, Orlando, Florida 32819 (US). **SORRENTINO, Christine**; 1000 Universal Studios Plaza, Orlando, Florida

32819 (US). **BARDT, Jeffrey A.**; 1000 Universal Studios Plaza, Orlando, Florida 32819 (US).

(74) Agent: **POWELL, W. Allen** et al.; P.O. Box 692289, Houston, Texas 77269 (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,

(54) Title: SYSTEM AND METHOD FOR INFLATABLE RESTRAINT FOR A RIDE VEHICLE

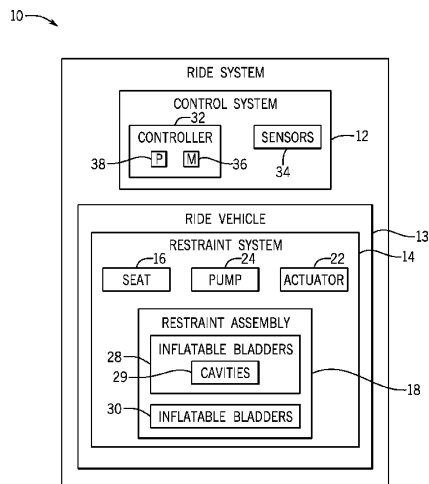


FIG. 1

(57) Abstract: A restraint system (14) for a ride vehicle includes a clamp restraint (18) having a first restraint portion and a second restraint portion configured to transition between a released configuration and a secured configuration. The clamp restraint is configured to receive at least one passenger leg between the first restraint portion and the second restraint portion in the released configuration. The restraint system also includes one or more inflatable bladders (28) of the first restraint portion, the second restraint portion, or both configured to inflate to engage the at least one passenger leg in the secured configuration to facilitate restraint of the passenger within the ride vehicle.

[Continued on next page]

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))*