



(51) International Patent Classification:

B66B 9/00 (2006.01) *A63G 31/10* (2006.01)
A63G 7/00 (2006.01) *A63G 31/14* (2006.01)
A63G 21/16 (2006.01) *A63G 31/02* (2006.01)
A63G 31/04 (2006.01)

(21) International Application Number:

PCT/US2019/067653

(22) International Filing Date:

19 December 2019 (19.12.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

16/234,046 27 December 2018 (27.12.2018) US

(71) Applicant: UNIVERSAL CITY STUDIOS LLC

[US/US]; 100 Universal City Plaza, Universal City, California 91608 (US).

(72) Inventors: **BRISTER, Michael Keith**; 1000 Universal Studios Plaza, Orlando, Florida 32819 (US). **VAMOS, Clarisse Marie**; 1000 Universal Studios Plaza, Orlando, Florida 32819 (US). **TRESAUGUE, Michael Joseph**; 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, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(54) Title: RIDE VEHICLE ELEVATOR AND MOTION ACTUATION

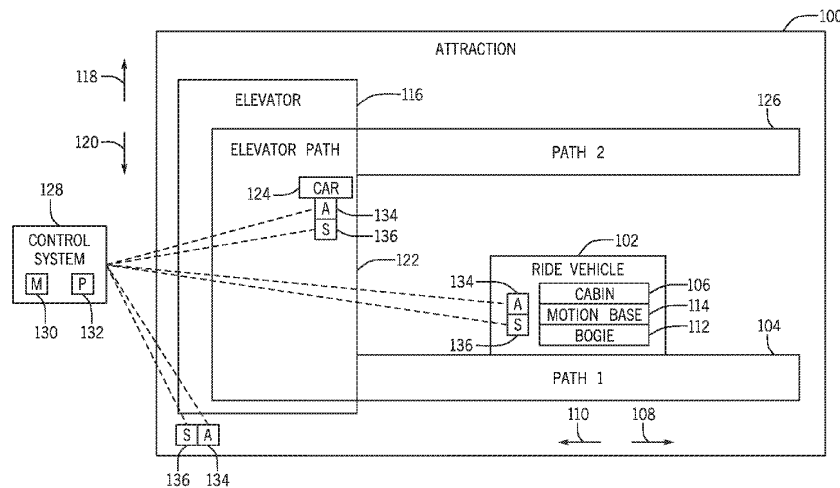


FIG. 1

(57) Abstract: An attraction system includes an elevator assembly having an elevator path that intersects a ride path of the attraction system, an elevator car having a support and configured to travel along the elevator path, a ride vehicle having a cabin coupled to a bogie, and a cabin projection of the cabin. The ride vehicle is configured to travel along the ride path via the bogie, in which the bogie is configured to travel into the elevator car via the ride path, and the support is configured to capture the cabin projection on at least two sides when the ride vehicle is in a loaded position.

[Continued on next page]



(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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).

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))*