

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 May 2006 (11.05.2006)

PCT

(10) International Publication Number
WO 2006/049617 A3

(51) International Patent Classification:
B61J 3/00 (2006.01) *B61B 1/00* (2006.01)
B61L 23/22 (2006.01)

PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(21) International Application Number:
PCT/US2004/036278

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(22) International Filing Date:
1 November 2004 (01.11.2004)

(25) Filing Language: English

(26) Publication Language: English

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

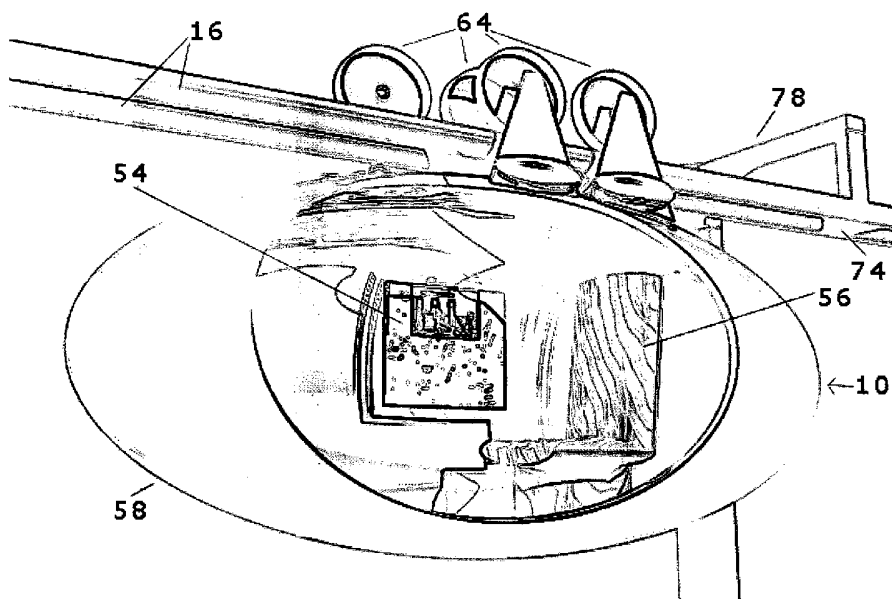
(71) Applicant and
(72) Inventor: JAMES, William, Dean [US/US]; 15632 Alpine Circle, Burnsville, MN 55306 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

(88) Date of publication of the international search report:
26 October 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INTELLIGENT TRANSPORTATION SYSTEM



(57) Abstract: A public transportation system includes control by highly distributed communications, ultra-light transit vehicles suspended from single or dual rails (16) and powered by electricity (40). The electric power supplied independently may be supplemented by wind generators and solar panels. The transit vehicles are suitable to transport from one to four persons. The system includes a plurality interconnected rails with main conduits and station conduits to provide non-stop transportation from one station to another station.

WO 2006/049617 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/36278

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B61J 3 / 00;B61L 23 / 22;B61B 1 / 00**

USPC: 701/23,24,25,26;104/88.02,88.03,88.05;318/587

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 701 / 23, 24, 25, 26; 104 / 88.02, 88.03, 88.05; 318 / 587

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,630,216 A (Tyler et al.) 16 December 1986 (16.12.1986)	1-20
A	US 4,766,547 A (Modery et al.) 23 August 1988 (23.08.1988)	1-20
A	US 5,177,684 A (Harker et al.) 05 January 1993 (05.01.1993)	1-20
A	US 5,797,330 A (Li) 25 August 1998 (25.08.1998)	1-20
A	US 5,799,263 A (Culbertson) 25 August 1998 (25.08.1998)	1-20
A	US 5,836,529 A (Gibbs) 17 November 1998 (17.11.1998)	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search
07 July 2006 (07.07.2006)

Date of mailing of the international search report

30 AUG 2006

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner of Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (571) 273-3201

Authorized officer

Dalena Tran
Telephone No. 571-272-6968