

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 August 2001 (09.08.2001)

PCT

(10) International Publication Number
WO 01/56854 A3

(51) International Patent Classification⁷: **B61D 13/00**,
B60L 13/00

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(21) International Application Number: PCT/KR01/00156

(22) International Filing Date: 3 February 2001 (03.02.2001)

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(25) Filing Language: Korean

(81) Designated State (*national*): US.

(26) Publication Language: English

(84) Designated States (*regional*): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

(30) Priority Data:
2000-5324 3 February 2000 (03.02.2000) KR

Published:
— with international search report

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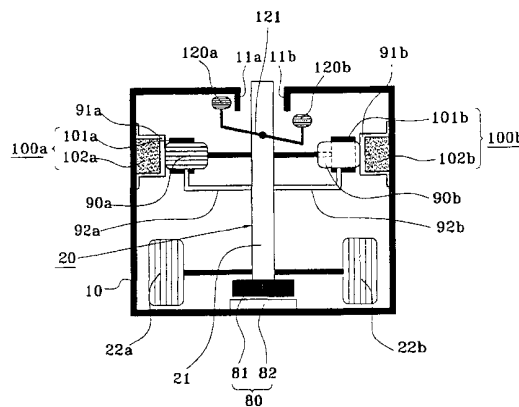
(88) Date of publication of the international search report:
21 February 2002

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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: PERSONAL RAPID TRANSIT SYSTEM HAVING LINEAR INDUCTION MOTOR INSTALLED ON BOTTOM OF VEHICLE



(57) Abstract: A personal rapid transit (PRT) system having a linear induction motor installed on the bottom of a vehicle is provided. Since a linear induction motor is installed on the bottom of a vehicle, the structure of the personal rapid transit (PRT) system is simplified and the stable driving thereof is possible. Further, since an auxiliary ramification wheel is provided, an accident by the vehicle seceding from a track occurring during ramification can be prevented in advance. That is, since only a single linear induction motor is installed horizontally on the bottom of the vehicle and thus the vehicle is driven, the structure of the personal rapid transit (PRT) system is more simplified and becomes lighter, and a production cost can be reduced, in comparison with an existing system using a pair of linear induction motors. In addition, even if a ramification device is failed during ramification, a track secession can be suppressed with an auxiliary ramification wheel provided, to thereby guide a stable running. Further, since a ramification rail is received and installed in a guide rail, the size of the personal rapid transit (PRT) system can be compact. Also, since the ramification rail is installed only within a ramification section and need not be installed over the whole sections, the installation cost of the personal rapid transit (PRT) system can be also reduced.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR01/00156

A. CLASSIFICATION OF SUBJECT MATTER
IPC7 B61D 13/00, B60L 13/00
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)
IPC7 B61D 13/00, B60L 13/00
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean patents and applications since 1975, Korean Utility models and applications for utility models since 1975
Japanese utility models and applications for utility models since 1975
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NPS, JAPIO

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97/35757 A (IN-KI KIM) 2 OCTOBER 1997 WHOLE DOCUMENT	1.2
A	WO 86/07397 A (REGENTS OF THE UNIVERSITY OF MINESOTA) 18 DECEMBER 1986 WHOLE DOCUMENT	1.2
A	WO 97/17244 A (IN-KI KIM) 15 MAY 1997 WHOLE DOCUMENT	1.2

Further documents are listed in the continuation of Box C. See patent family annex.

<p>* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "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</p>	<p>"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 "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 "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 "&" document member of the same patent family</p>
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Date of the actual completion of the international search 21 MAY 2001 (21.05.2001)	Date of mailing of the international search report 22 MAY 2001 (22.05.2001)
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Name and mailing address of the ISA/KR Korean Intellectual Property Office Government Complex-Daejeon, Dunsan-dong, Seo-gu, Daejeon Metropolitan City 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer I.EE. Young Kyu Telephone No. 82-42-481-5466
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