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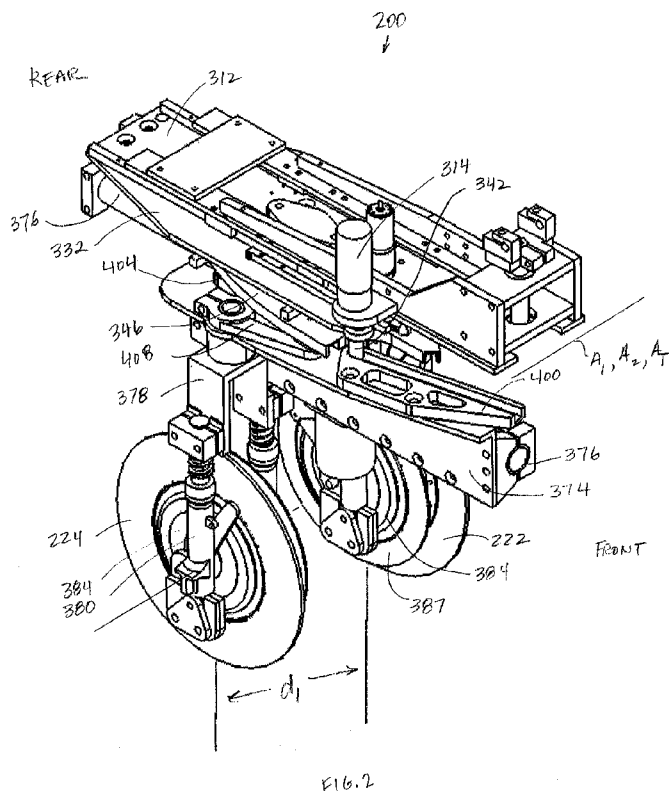
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(54) Title: PERSONAL TRANSPORT VEHICLE



(57) Abstract: A personal transport vehicle is disclosed that can transition, while in motion, between a unicycle and motorcycle operating modes. The vehicle includes a frame, a first and second wheel connected to the frame, and a drive system mounted to the frame and configured to drive at least one of the first and second wheels. The wheels are configured to move relative to each other while the vehicle is in motion such that the spacing in the direction of travel of the vehicle between the axis of rotation of the first wheel and the axis of rotation of the second wheel changes. In unicycle mode, the wheels are side-by-side and the vehicle is operated using first set of steering, vehicle speed, and balance controls. In the motorcycle mode, the wheels are splayed in the fore-aft direction and the vehicle is operated using second set of steering, vehicle speed, and balance controls.

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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)

B62K 17/00; B60K 11/02; B62K 15/00; B62J 6/06

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

Korean utility models and applications for utility models
Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: vehicle, wheels, in motion, motor, engine, bicycle

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 20-0318845 Y1 (YU, I. J.) 04 July 2003 See abstract and figures 1-4.	1, 17
X	JP 50-102045 U1 (NOMURA, TOMOKUNI) 23 August 1975 See claim 1 and figure.	18
X	EP 2221205 A1 (LAING BAN INTERNATIONAL INC.) 25 August 2010 See claim 1 and figures 1-11.	19
A	JP 62-061788 U (HONDA KIKEN CO. LTD.) 16 April 1987 See claim 1 and figures 1-2.	1-19

Further documents are listed in the continuation of Box C.

See patent family annex.

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 20-0318845 Y1	04.07.2003	None	
JP 50-102045 U1	23.08.1975	None	
EP 2221205 A1	25.08.2010	None	
JP 62-061788 U	16.04.1987	None	