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(54) Title: TRANSIT SYSTEM VEHICLE GUIDEWAY CONSTRUCTED FROM MODULAR ELEMENTS AND USING MAGNETIC LEVITATION FOR SUSPENSION AND PROPULSION OF VEHICLES

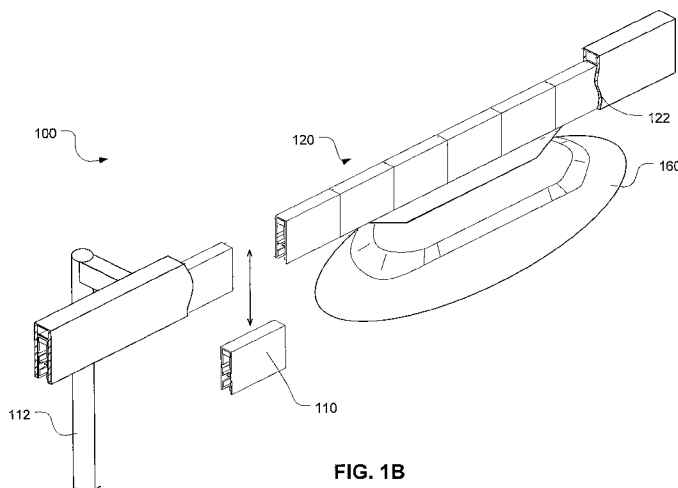


FIG. 1B

(57) Abstract: The networked guideway transit system uses materials and methods of constructing guideway elements. The materials and methods are designed to reduce the static weight, cost and physical size of the guideway structure. Installation cost is also significantly reduced by the modular nature of the guideway components, which can be manufactured in a controlled factory environment using mass production methods. As a result, the supporting structure of the guideway can be quickly erected and the modular blocks inserted with simple equipment. In addition, complex alignment procedures are not required. In particular, the guideway component includes motor coils having the shapes and configurations that facilitate the easy insertion of the guideway component without the need for interleaving coils in adjacent guideway components and without creating dead spots in the magnetic fields between guideway components.



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A CLASSIFICATION OF SUBJECT MATTER

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USPC - 104/281

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B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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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)

Patbase, Google Patents

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 5,189,961 A (FUJIE) 02 March 1993 (02 03 1993) entire document	1-3, 5, 9

Y		4, 6-8, 10-26
Y	US 5,287,026 A (OGIHARA et al) 15 February 1994 (15 02 1994) entire document	4, 8, 13
Y	US 6,570,273 B2 (HAZELTON) 27 May 2003 (27 05 2003) entire document	6-8, 15-16, 20-21, 23-24
Y	US 5,388,527 A (THORNTON) 14 February 1995 (14 02 1995) entire document	10-26
Y	US 4,061,089 A (SAWYER) 06 December 1977 (06 12 1977) entire document	10-26
Y	US 2006/0081150 A1 (JETER et al) 20 April 2006 (20 04 2006) entire document	22-26
Y	US 5,682,139 A (PRADEEP et al) 28 October 1997 (28 10 1997) entire document	26
A	US 5,865,123 A (POWELL et al) 02 February 1999 (02 02 1999) entire document	1-26

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