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### (54) Self-supported modular vehicle parking structure

(57) The parking system consists of prefabricated parts (self-supported platform elements, columns, railings, sunroof, ramp, and escalated ladder), which are assembled easily and in short time on site.

The basic element of the parking system is the self-supported, prefabricated platform element, supported by columns which are based on the ground by base

plates and by the use of special anchors without any requirement for foundation construction.

It is important to notice that at areas with low seismic activity these special anchors are not necessary. The easy transportation and assemblage of the parts of the system is a basic advantage. There is the ability of changing the layout quickly and easily in a way that no part is lost or thrown away.

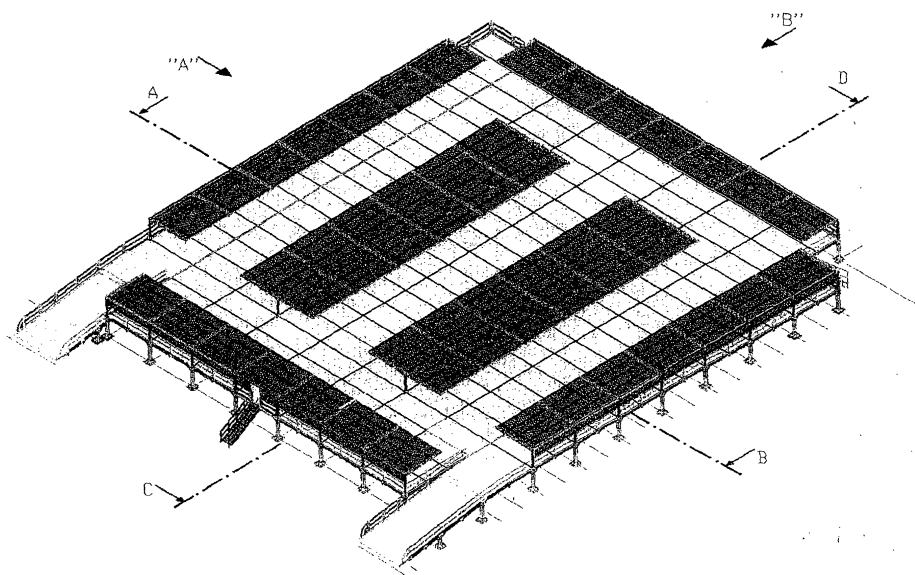


Fig. 1a

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## EUROPEAN SEARCH REPORT

Application Number  
EP 02 38 6007

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E04H E04B
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>8 December 2003</b>	Examiner <b>Vrugt, S</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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EP 02 38 6007

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08-12-2003

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