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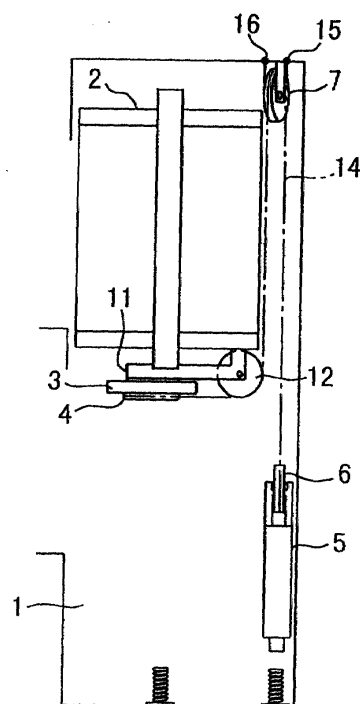
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(54) **Elevator system**

(57) There is described an elevator system in which a hoist is provided on a car and which can be provided within a shaft corresponding to the height of the top floor of a building. A hoist is placed in the plane orthogonal to a path along which a car is to move vertically. The rotor axis of a sheave is oriented in the vertical direction, and the height of the hoist is arranged so as to become smaller than the diameter of the sheave. The hoist is energized, to thereby move the car vertically by way of a main cable wound around the sheave. The top clearance insured between the lower surface of the top of the shaft and the upper surface of the car when the car is stopped at the top floor can be diminished. The lower surface of the top of the shaft can be made lower than the height of the top floor of a building, thus diminishing construction cost required to ensure a space for installing the elevator system.

FIG. 1





European Patent
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EUROPEAN SEARCH REPORT

Application Number
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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)
			B66B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 3 October 2001	Examiner Janssens, G
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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