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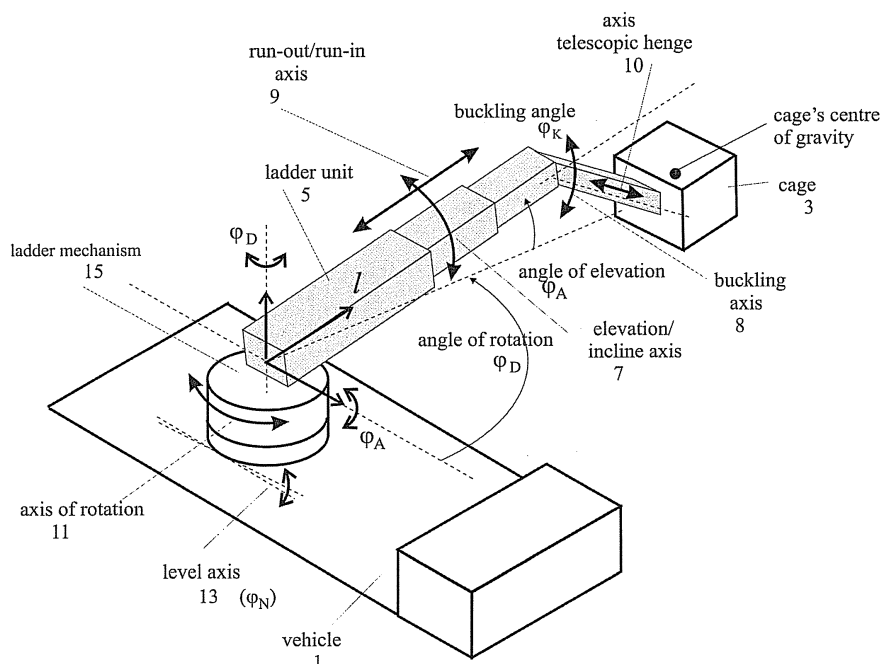
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(54) **Articulated ladder or raisable platform with position path control and active vibration damping**

(57) Turntable ladder or the like, with a telescopic ladder unit and, attached at the end of the ladder unit, an articulated arm which carries a cage, which turntable ladder contains a control for moving the ladder sections, formed in such a way that, during cage travel, vibrations of the ladder sections are suppressed, while at least one of the measured variables, bending of the ladder unit in the horizontal and vertical direction, angle of elevation,

angle of rotation, run-out length and torsion of the ladder unit is fed back via a controller to the control variables for the drives and for which a pilot control is provided which represents the idealised movement behaviour of the ladder during cage travel in a dynamic model, based on differential equations and calculates the idealised control variables for the ladder section drives from the dynamic model for an essentially vibration-free movement of the ladder.

Fig.1





EUROPEAN SEARCH REPORT

Application Number
EP 06 11 9983

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
			E06C B25J B66F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 31 August 2009	Examiner Righetti, Roberto
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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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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