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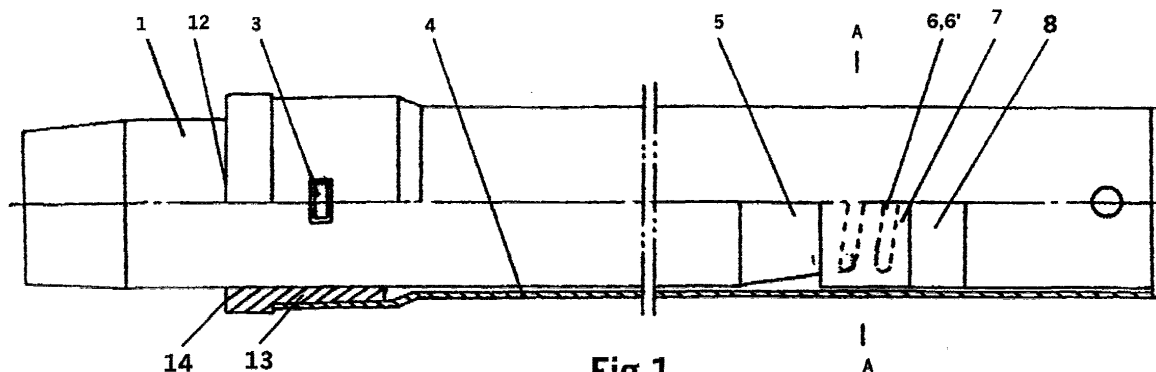
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(54) **Stepless telescopic dust collecting tube for vacuum cleaner**

(57) A stepless telescopic dust collecting tube of vacuum cleaner comprises an exterior tube (4), an interior tube (1) inserted into the chamber of exterior tube (4) and a locking device for positioning between the said exterior tube (4) and interior tube (1), wherein said locking device includes a conical tube section (5) in said interior tube 1 and a locking ring with gap fit round against the conical tube section (5). Said locking ring (7) mates

with said interior tube section (5) through the internal screw thread (6) on the inner surface and the external screw thread (6') on the outer surface respectively. Said exterior tube (4) is provided with axial guiding configuration (11) on internal tube wall, and said locking ring (7) is provided with corresponding axial guiding configuration (11') so that the axial guiding configuration 11 can slide within it. The dust collecting tube can be locked at any position, and operation is reliable and simple.



**Fig 1**



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 00 11 0913

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The present search report has been drawn up for all claims			
Place of search <b>MUNICH</b>		Date of completion of the search <b>19 November 2002</b>	Examiner <b>Martin Gonzalez, G</b>
<b>CATEGORY OF CITED DOCUMENTS</b> 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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