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(30) Priority: **23.03.2001 CN 01208947**

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(54) **Collapsible pogo stick**

(57) A pogo stick (10) comprising a handlebar (20), a grip portion (26), and a footrest (30) that is collapsible into a small volume for easy transportation and compact storage. The handlebar is provided with at least one elongate telescoping member, the grip portion is provided with removable grips, and the footrest is provided with pivotally mounted plates. The collapsible pogo stick incorporates a pneumatic spring of variable stiffness for accommodating users of different body weights. The pneumatic spring includes a pressure cylinder (40) and a shaft (41) extending out of the cylinder for engagement with the ground. The pneumatic spring includes a self-charging mechanism (106) such that the cylinder may be charged without the use of an external pump.

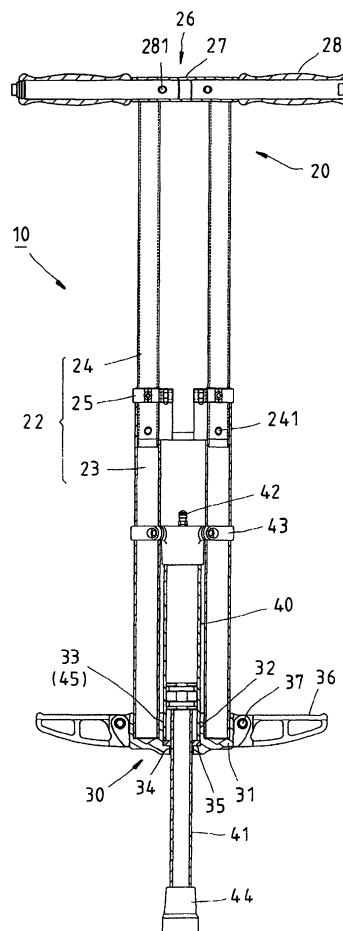


FIG. 4

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PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 01 30 7850 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	WO 99 61111 A (OH JU WHAN) 2 December 1999 (1999-12-02) * the whole document *	1	A63B25/08 A63B21/008 A63B21/02
A	US 3 627 314 A (BROWN DONALD F) 14 December 1971 (1971-12-14) * the whole document *	1	
A	FR 1 214 549 A (BOURIT LUCIEN) 8 April 1960 (1960-04-08) * the whole document *	1	
A	US 3 495 671 A (SAMIRAN DAVID) 17 February 1970 (1970-02-17) * column 8, line 19 - line 26; figures *	1	
A	US 3 181 862 A (JOHN WHITE WILLIAM) 4 May 1965 (1965-05-04)		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A63B
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims. Claims searched completely : Claims searched incompletely : Claims not searched : Reason for the limitation of the search: see sheet C			
Place of search		Date of completion of the search	Examiner
MUNICH		16 October 2003	Squeri, M
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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INCOMPLETE SEARCH
SHEET C

Application Number
EP 01 30 7850

Claim(s) searched completely:

1

Claim(s) not searched:

2-21

Reason for the limitation of the search:

This application contains 8 independent claims: 1-4, 14, 18, 19, 21. In view of the large number of independent claims presently on file and also the wording of these claims, which render it difficult, if not impossible, to determine the matter for which protection is sought, the present application fails to comply with the clarity and conciseness requirements of Article 84 EPC (see also Rule 29(5) EPC) to such an extent that a meaningful search is impossible. Consequently, the search has been carried out for those parts of the application which do appear to be clear (and concise), namely claim 1.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 30 7850

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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16-10-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9961111	A	02-12-1999	WO 9961111 A1	02-12-1999
US 3627314	A	14-12-1971	NONE	
FR 1214549	A	08-04-1960	NONE	
US 3495671	A	17-02-1970	NONE	
US 3181862	A	04-05-1965	NONE	

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82