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(54) **Method for the discontinuous advance of the cam unit in timers for domestic appliances and relative device**

(57) Method for the discontinuous advance of the cam unit (13) in timers (10) for domestic appliances, the cam unit (13) cooperating by means of a toothing (12) with a transport lever (11) associated with an eccentric (14) connected to a continuously rotating motor (15), each single advance step of the cam unit (13) being correlated to a rotation of 360° of the eccentric (14), the advance steps of the cam unit (13) causing the opening/closing of electrical contacts so as to generate radio disturbances, each single advance step (16) of the cam unit (13) being sub-divided into at least three semi-steps, respectively the first semi-step in advance (16a) and the second semi-step in advance (16c) being functionally correlated to the presence of electric contacts in cooperation with the cam unit (13), the third, intermediate semi-step in advance (16b) being carried out at a reduced speed compared with the semi-steps (16a, 16c) and such that the cam unit (13) does not perform any switching of electric contacts while the third intermediate semi-step (16c) is being carried out.

Device for the discontinuous advance of the cam unit (13) achieving the method as above, the eccentric (14) being associated with means (19, 21) to accelerate/decelerate the transport lever (11) which intervene for at least one segment of each individual advance (16) of the cam unit (13) so as to define at least three semi-steps in advance at differentiated speeds, a first semi-step in advance (16a), a third, intermediate semi-step

(16b) and a second semi-step in advance (16c), wherein the third, intermediate semi-step (16b) has a reduced speed compared with the first (16a) and second (16c) semi-steps in advance.





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EUROPEAN SEARCH REPORT

Application Number
EP 97 11 4705

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.6)
Y	FR 2 530 355 A (CARPANO & PONS) 20 January 1984 * page 1, paragraph 2 * * page 3, last paragraph - page 4, paragraph 3; figures * ---	1	H01H43/10
Y	FR 2 116 460 A (MALLORY TIMERS CONTINENT) 13 July 1972	1	
A	* page 3, last paragraph - page 4, paragraph 2 * -----	2	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25 June 1998	Examiner Janssens De Vroom, P
<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 & : member of the same patent family, corresponding document</p>			

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