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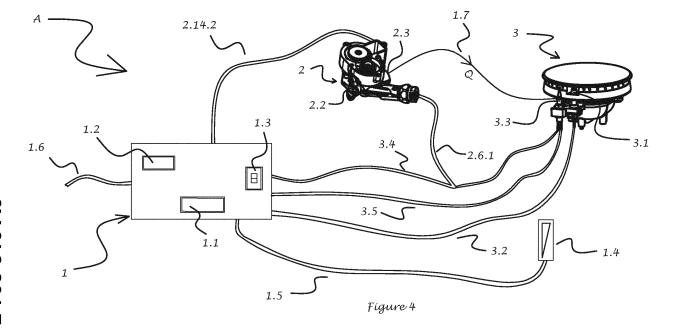
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(54) A touch-sensitive gas control system and a cam gas tap for domestic cooking appliances

(57) A new touch-sensitive gas control system (A) for domestic cooking appliances and a cam gas tap (2) operating in accordance with said system are disclosed. Said tap comprises a body (2.1), a gas inlet (2.2), a gas outlet (2.3), a male, a pin, a magnet, a shuttle, and a gasket as main components, as well as comprising a gearbox mounted on said body, a servomotor located in said gearbox, a gear, a pinion with a cam thereon, and

a gear system cover which is mounted on the gearbox in a way to cover it completely in order to prevent food residues and other external residues from getting in the system. As a result of the rotation movement transferred to the pinion, the pin contacts with cam surfaces and moves downward at a certain displacement and pushes the shuttle forward, thereby making it press the magnet.





Category

EUROPEAN SEARCH REPORT

DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document with indication, where appropriate, of relevant passages

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CLASSIFICATION OF THE APPLICATION (IPC)

Relevant

to claim

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X	US 2010/020534 A1 (28 January 2010 (20 * abstract; figures)10-01-28)	[JP] ET AL)	1	TECHNICAL FIELDS SEARCHED (IPC) F23N F24C		
	The present search report has been drawn up for all claims Place of search Date of completion of the search				Examiner		
	The Hague		15 August 2017		Munteh, Louis		
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		her	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				
O:non	-written disclosure rmediate document		& : member of the same patent family, corresponding document				



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	CLAIMS INCURRING FEES				
	The present European patent application comprised at the time of filing claims for which payment was due.				
10	Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):				
15	No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.				
20	LACK OF UNITY OF INVENTION				
	The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:				
25					
	see sheet B				
30					
	All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.				
35	As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.				
40	Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:				
45	None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention				
50	first mentioned in the claims, namely claims:				
55	The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).				



LACK OF UNITY OF INVENTION SHEET B

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claim: 1

The independent claim 1 relates to a touch-sensitive gas control system comprising specific features.

2. claim: 2

The independent claim 2 relates to a cam gas tap comprising specific features.

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3. claims: 3-8

The independent claim 3 (and therefore claims 4-8 which are dependent on claim 3) relate to a gearbox comprising specific features.

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4. claims: 9-15

The independent claim 9 (and therefore claims 10-15 which are dependent on claim 9) relate to a gear comprising specific features.

5. claims: 16-26

The independent claim 16 (and therefore claims 17-26 which are dependent on claim 16) relate to a pinion comprising specific features.

6. claims: 27-32

Independent Claim 27 (and therefore claims 28-32 which are dependent of claim 27) relate to a gear system cover having specific features.

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

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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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-08-2017

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