(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) **EP 2 620 576 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
09.07.2014 Bulletin 2014/28

(43) Date of publication A2:
31.07.2013 Bulletin 2013/31

(21) Application number: **13150007.6**

(22) Date of filing: **02.01.2013**

(51) Int Cl.:
E05F 1/12 *(2006.01)* ***E05D 11/08*** *(2006.01)*

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

(30) Priority: **24.01.2012 TR 201200853**

(71) Applicant: **Atasan Metal Sanayi Ticaret Limited Sirketi**
54060 Sakarya (TR)

(72) Inventor: **Ciftci, Mehmet Faik**
Sakarya (TR)

(74) Representative: **Dericioglu, E. Korhan**
Ankara Patent Bureau Limited
Bestekar Sokak No: 10
Kavaklidere
06680 Ankara (TR)

(54) **An oven hinge with friction system**

(57) This invention is related to a hinge mechanism (1) that accommodates a friction system inside it which is used in oven (F) doors (K). This friction system helps the door (K) to stay in a balanced position during the opening and the closing of the door (K) by means of the friction force.

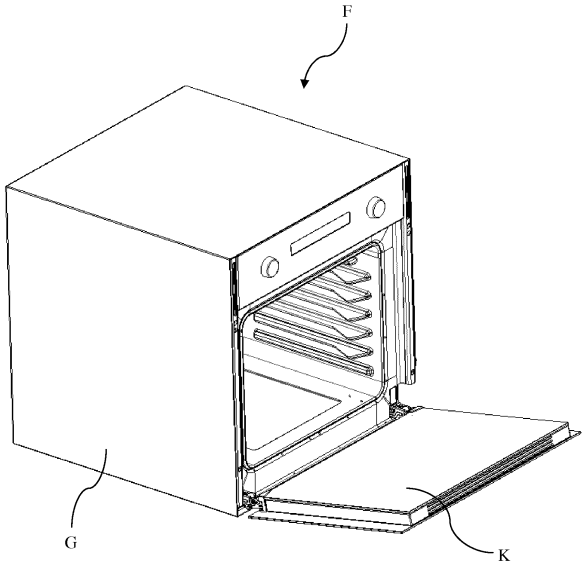


Figure 1

EP 2 620 576 A3

Europäisches Patentamt
European Patent Office
Office européen des brevets

EUROPEAN SEARCH REPORT

Application Number
EP 13 15 0007

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A,D	EP 1 183 988 A2 (CMI SRL [IT]) 6 March 2002 (2002-03-06) * paragraphs [0012], [0026] - [0030] * * figures 1,2 *	1-20	INV. E05F1/12 E05D11/08
A	US 3 704 550 A (HANCOCK CHARLIE L) 5 December 1972 (1972-12-05) * column 2, lines 18-19,24-25,37-63 * * column 3, lines 24-28,37-54 * * figures 1,3,4 *	1-10	
A	EP 1 961 901 A2 (NUOVA STAR SPA [IT]) 27 August 2008 (2008-08-27) * paragraphs [0023] - [0029], [0031], [0033], [0035], [0048] - [0050] * * figures 2,3 *	1-20	
A	EP 1 431 671 A1 (NUOVA STAR SRL [IT] NUOVA STAR SPA [IT]) 23 June 2004 (2004-06-23) * paragraphs [0019] - [0022], [0025], [0029] * * figure 3 *	1	TECHNICAL FIELDS SEARCHED (IPC) E05F
A	DE 198 24 148 A1 (BRERA CERNIERE S R I [IT]) 3 December 1998 (1998-12-03) * column 3, line 64 - column 4, line 2 * * figure 2 *	1	

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	5 June 2014	Wagner, Andrea

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

EPO FORM 1503 03.82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 13 15 0007

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.

05-06-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1183988 A2	06-03-2002	DE 60130527 T2	12-06-2008
		EP 1183988 A2	06-03-2002
		ES 2291255 T3	01-03-2008
		IT BO20000505 A1	28-02-2002
		PT 1183988 E	12-12-2007
US 3704550 A	05-12-1972	AU 470739 B2	25-03-1976
		AU 4200172 A	15-11-1973
		CA 941432 A1	05-02-1974
		US 3704550 A	05-12-1972
EP 1961901 A2	27-08-2008	AT 553275 T	15-04-2012
		EP 1961901 A2	27-08-2008
		US 2008201907 A1	28-08-2008
EP 1431671 A1	23-06-2004	AT 339655 T	15-10-2006
		DE 60214741 T2	13-09-2007
		EP 1431671 A1	23-06-2004
		ES 2272660 T3	01-05-2007
DE 19824148 A1	03-12-1998	DE 19824148 A1	03-12-1998
		IT MI971288 A1	30-11-1998

EPO FORM P0459

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