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(54) Damper hinge counter support system for a home appliance

(57) The invention is related to a damper counter support system (1) for home appliances (C) basically used in kitchens, said system being adapted to the counter support hinge of the door in order to prevent the slamming shut of the door during the closing motion. The system (1) ensures that the motion of the door (K) is absorbed in stages so that the door is slowed down when it is closing and it does not slam shut. Moreover the system (1) also eliminates the abrasion, wear and noise problems that might occur on the door (K) and/or the body of the home appliances (C) due to the opening and closing actions. The system is characterized in that the system enables angular movement according to the position of the door (K) as a difference to other systems. By means of this angular movement the pin (7) is placed on the bearing (21) located on the body of the hinge (2). Thus the damages that might occur on the door (K) are also prevented. Another characterization of the invention is that it comprises an second absorbing mechanism which absorbs the excessive loads applied on the damper (9) and prevents the damper from getting (9) damaged.

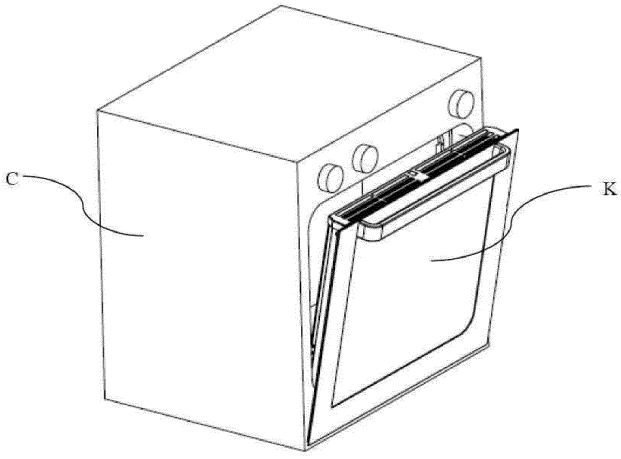

Figure 1

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EUROPEAN SEARCH REPORT

Application Number
EP 12 17 1509

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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TECHNICAL FIELDS SEARCHED (IPC)

E05F
F24C

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	10 June 2014	Witasse-Moreau, C

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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10-06-2014

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