

Title (en)
Locking device, for example for domestic appliances

Title (de)
Verriegelungsvorrichtung z.B. für Hausgerätetüren

Title (fr)
Dispositif de verrouillage, par exemple pour des appareils ménagers

Publication
EP 0999326 A3 20030212 (DE)

Application
EP 99121728 A 19991103

Priority
• DE 19850815 A 19981104
• DE 19852578 A 19981114

Abstract (en)
[origin: US6345848B1] The locking movement and/or the unlocking movement of a bimetallic drive of an electrothermally-controlled locking apparatus, for example for household-device doors, is or are driven by a separate bimetal member (10, 11) over only a first segment of its movement path. In the process, energy is supplied to the energy store (28) of a tipping over-center device until a dead-center position is attained, the energy being released as a moving drive for the remaining segment of the movement path when the dead-center position is exceeded, thereby cutting off the bimetal drive and stabilizing the locking member (2) in its end position.

IPC 1-7
E05B 47/00; **E05B 15/04**; **D06F 37/42**

IPC 8 full level
D06F 37/42 (2006.01); **E05B 47/00** (2006.01); **E05B 15/04** (2006.01)

CPC (source: EP US)
D06F 37/42 (2013.01 - EP US); **E05B 47/0009** (2013.01 - EP US); **E05B 2015/0493** (2013.01 - EP US); **Y10S 292/66** (2013.01 - EP US); **Y10T 292/699** (2015.04 - EP US)

Citation (search report)
• [XY] FR 1581402 A 19690912
• [YA] EP 0347592 A1 19891227 - ELLENBERGER & POENSGEN [DE]
• [A] FR 1459757 A 19660617
• [A] DE 4222536 A1 19940113 - YMOS AG IND PRODUKTE [DE]

Cited by
EP1340870A1; ITRM20100046A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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US 6345848 B1 20020212; DE 29824095 U1 20000427; EP 0999326 A2 20000510; EP 0999326 A3 20030212; EP 0999326 B1 20041013

DOCDB simple family (application)
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