

Title (en)
Household appliance, in particular cooking oven

Title (de)
Haushaltsgerät, insbesondere Backofen

Title (fr)
Appareil ménager, en particulier four de cuisson

Publication
EP 1258685 B1 20061227 (DE)

Application
EP 02006952 A 20020326

Priority
DE 10124458 A 20010518

Abstract (en)
[origin: EP1258685A1] The carriage (11) is pulled out by a spring (13) and run back in by the spring using less force than even for partial withdrawal. The withdrawal force of the spring (15) is reduced by a linkage (22) when the carriage is run in, the linkage composed of levers (22-26) forming an approximate rectangle. The first diagonal (29) of the rectangle runs parallel to the withdrawal direction (15) as against a second diagonal (28) which houses a tensile spring (29) used to tension the linkage levers. The oven door is held closed by the force of the spring (13) by element (18) which in turn is reduced in power by the actuating unit (20) when opening the door.

IPC 8 full level
F24C 15/16 (2006.01)

CPC (source: EP)
F24C 15/162 (2013.01)

Cited by
EP2026013A1; EP1544549A1; FR2864207A1; WO2005066548A1

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DE ES FR GB IT SE

Designated extension state (EPC)
SI

DOCDB simple family (publication)
EP 1258685 A1 20021120; EP 1258685 B1 20061227; DE 10124458 A1 20021121; DE 50209047 D1 20070208; ES 2278826 T3 20070816

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EP 02006952 A 20020326; DE 10124458 A 20010518; DE 50209047 T 20020326; ES 02006952 T 20020326