

Title (en)

DOOR HINGE FOR AN OVEN DOOR

Title (de)

TÜRSCHARNIER FÜR EINE HERDTÜR

Title (fr)

CHARNIÈRE DE PORTE POUR UNE PORTE DE FOUR

Publication

EP 3284888 A1 20180221 (EN)

Application

EP 16184538 A 20160817

Priority

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Abstract (en)

The present invention relates to a door hinge (10) for a door of a domestic appliance, in particular for an oven door (30). The door hinge (10) comprises a stationary hinge part (12) and a moveable hinge part (14) connected to said stationary hinge part (12). The moveable hinge part (14) is slidable relative to the stationary hinge part (14) between a closed state and an intermediate state of the door hinge (10). The moveable hinge part (12) is pivotable relative to the stationary hinge part (12) between the intermediate state and an opened state of the door hinge (10). One of the stationary hinge part (12) and the moveable hinge part (14) comprises an elongated pin element (20) extending parallel to a pivoting axis of the door hinge (10). Another one of the stationary hinge part (12) and the moveable hinge part (14) comprises at least two elongated holes (22), preferably a pair of elongated holes (22), for receiving the pin element (20). The pin element (20) is slidable perpendicular to its longitudinal axis and within the elongated holes (22) between the closed state and the intermediate state of the door hinge (10). The pin element (20) and/or the stationary hinge part (12) or moveable hinge part (14), respectively, are pivotable around its longitudinal axis at a limit stop of the elongated holes (22) between the intermediate state and the opened state of the door hinge (10).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XY] US 2011141672 A1 20110616 - FARLEY JR JAMES E [US], et al
- [Y] GB 2252787 A 19920819 - STOVES LTD [GB]

Cited by

CN113250564A; CN113250565A

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