

Title (en)  
Improved door-locking device

Title (de)  
Verbesserte Türverriegelung

Title (fr)  
Dispositif de verrouillage de porte amélioré

Publication  
**EP 2369050 A2 20110928 (EN)**

Application  
**EP 11425067 A 20110321**

Priority  
IT RM20100128 A 20100322

Abstract (en)  
The present invention relates to a door-locking device (10), comprising a frame (11) provided with an opening (12) wherein a hook (50), associated with a door of a washing machine or of an electric household appliance in general, can introduce and engage with said frame (11) when said door is closed, a locking pawl (60), that can take a first position, wherein it is withdrawn preventing supply of said household appliance, and a second position, wherein it is extracted, permitting supply of said household appliance; and a moving slider (20) arranged within said frame (11), said slider (20) having a first slot (21) suitable to interact with said hook (50), a second slot (22) with which can be engaged said locking pawl (60) in said second position, when said slider (20) is in said locking position, to keep said hook (50) engaged with said frame (11) by said first slot (21) when said door is closed, said door-locking device (10) further comprises safety means (30) provided with control means (32,34) provided with control means (32,34), said safety means (30) being suitable to interact with said slider (20) to control its position.

IPC 8 full level  
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Cited by  
CN107339022A; CN114673408A; CN109812148A; JP2017074331A; JP2018038464A; JP2017038827A; JP2017018232A; CN107227586A; US2020354993A1; US11624209B2; WO2013001470A1; EP2540899A1; NL1038913C2

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Designated extension state (EPC)  
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**EP 2369050 A2 20110928**; **EP 2369050 A3 20131120**; IT 1398984 B1 20130328; IT RM20100128 A1 20110923

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