

Title (en)  
A door-activating device

Title (de)  
Türantrieb

Title (fr)  
Dispositif d'entraînement de porte

Publication  
**EP 2224084 A1 20100901 (EN)**

Application  
**EP 09425079 A 20090226**

Priority  
EP 09425079 A 20090226

Abstract (en)  
The activating device of a door for closing a doorway, comprises a main shaft (5) for transmitting motion to the door by means of a suitable mechanism, the main shaft (5) being supported idle in a fixed casing; a bush (8) inserted freely rotatably on the main shaft (5), and provided with an upper pinion (82) for input of motion, and a lower pinion (81) for transmission of motion; the lower pinion (81) being connected to the to the fixed casing by means of at least a planet gear (54) rotating on a pivot (53) which pivot (53) is parallel to the main shaft (5) and is supported thereby, the at least a planet gear (54) enmeshing both with the lower pinion (81) of the bush, and with the internal cogging (420) of a crown fixed to the casing.

IPC 8 full level  
**E05F 15/12** (2006.01); **E05F 15/16** (2006.01)

CPC (source: EP)  
**E05F 15/614** (2015.01); **E05F 15/63** (2015.01); **E05F 15/67** (2015.01); **E05Y 2900/132** (2013.01)

Citation (search report)

- [XY] US 6530178 B1 20030311 - KOWALCZYK THOMAS M [US], et al
- [XY] US 5221239 A 19930622 - CATLETT JOHN C [US]
- [Y] WO 2006137093 A1 20061228 - ALBASTRA S R L [IT], et al
- [XY] DE 10015769 A1 20010510 - GOLUB DANIJEL [DE]

Cited by  
DE102015006673A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2224084 A1 20100901**

DOCDB simple family (application)  
**EP 09425079 A 20090226**