

Title (en)
Door lock

Title (de)
Türschloss

Title (fr)
Serrure de porte

Publication
EP 1580361 A1 20050928 (EN)

Application
EP 04251669 A 20040323

Priority
EP 04251669 A 20040323

Abstract (en)
A door lock is proposed, including a housing (1) installed in a door, a deadbolt mechanism (3) mounted in the housing, a latch mechanism (5) actuated by the deadbolt mechanism, and a doorknob mechanism (9). The doorknob can be pressed to actuate the doorknob mechanism (9) and transfer the force to the deadbolt mechanism (3) and the latch mechanism (5), allowing the deadbolt mechanism to actuate the latch mechanism so as to quickly unlatch the door lock and simultaneously open the door.

IPC 1-7
E05B 59/00; **E05B 55/12**; **E05B 65/10**

IPC 8 full level
E05B 55/12 (2006.01); **E05B 59/00** (2006.01); **E05B 63/08** (2006.01); **E05B 65/10** (2006.01)

CPC (source: EP)
E05B 55/12 (2013.01); **E05B 59/00** (2013.01); **E05B 63/08** (2013.01); **E05B 65/1086** (2013.01)

Citation (search report)
• [X] US 6651466 B1 20031125 - SHIH SIMON [TW]
• [X] DD 108792 A1 19741005
• [A] DE 4118455 A1 19911212 - TALLERES ESCORIAZA SA [ES]

Cited by
US11408207B2; CN104790768A; CN104790769A; US11261619B2; US2021317685A1; US11499344B2; CN108590371A; EP3653816A1; US11384569B2; EP2458114A4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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