

Title (en)
Door lock assembly

Title (de)
Türschlossvorrichtung

Title (fr)
Ensemble de verrouillage de porte

Publication
EP 1679414 A1 20060712 (EN)

Application
EP 05250084 A 20050110

Priority
EP 05250084 A 20050110

Abstract (en)
A door lock assembly includes: a first engaging member (22') formed in a socket (20) in the door frame (200) ; and a latch mechanism (10) including a hollow mounting body (11) mounted on the door panel (100), and a latch unit (12') including a latch bolt (12) that is retractable into the hollow mounting body (11), and that is operable to move relative to the hollow mounting body (11) from a first retracted position to an extended position, in which the latch bolt (12) extends into the socket (20). The latch unit (12) further includes a second engaging member (12c') that is mounted movably in the latch bolt (12) and that is actuated to move relative to the latch bolt (12) from a disengaging position to an engaging position, in which the second engaging member (12c') engages releasably the first engaging member (22').

IPC 8 full level
E05B 63/12 (2006.01); **E05B 9/08** (2006.01); **E05B 47/06** (2006.01); **E05B 55/06** (2006.01)

CPC (source: EP)
E05B 9/08 (2013.01); **E05B 47/068** (2013.01); **E05B 47/0692** (2013.01); **E05B 63/006** (2013.01); **E05B 63/121** (2013.01); **E05B 9/084** (2013.01); **E05B 47/0002** (2013.01); **E05B 55/005** (2013.01)

Citation (search report)
• [XA] US 6351976 B1 20020305 - CHEN WATERSON [TW]
• [X] US 4512597 A 19850423 - NABB ELIS [FI], et al
• [X] US 1758203 A 19300513 - SAMUEL SEGAL
• [X] GB 1422321 A 19760128 - COLCHESTER LTD ELLIS

Cited by
CN107075876A; EP1903168A3; CN110195526A; CN110159069A; CN109763708A; JP2018145590A; AU2015205976B2; US10125522B2; WO2016033805A1; WO2017103310A1; US7874190B2; US10837199B2; US7845202B2; US8028553B2; US10240362B2; US10047550B2; US10619387B2

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