Title (en)
    DOOR LATCH ACTUATOR

Title (de)
    BETÄTIGUNGSEINRICHTUNG FÜR EINE TÜR

Title (fr)
    ACTIONNEUR DE VERROU DE PORTE

Publication
    EP 0866905 A4 19990120 (EN)

Application
    EP 95943927 A 19951212

Priority
- CA 2239512 A 19951212
- US 9516666 W 19951212

Abstract (en)
    [origin: WO9721893A1] A door latch actuator (10, 210, 510) is to be engaged by a latch bolt (44) of latch bolt assembly (38) on a door (40) mounted for movement between a first door position and a second door position. Broadly, the door latch actuator (10, 210, 510) comprises an actuator element (16, 116, 216, 512, 514) and a driver (18, 312, 316). The actuator element is disposed in proximity to the distal end of the latch bolt (44) when the door (40) is at the first door position in the secured condition and moves between a first actuator position and a second actuator position. In the first actuator position, the actuator element (16, 116, 216, 512, 514) allows the distal end of the latch bolt (44) to secure the door (44). When moved into the second actuator position, the latch bolt (44) is displaced from the extended state to the retracted state causing the door (44) to be unsecured.

IPC 1-7
    E05B 15/00

IPC 8 full level
    E05B 15/00 (2006.01); **E05B 15/02** (2006.01); **E05B 47/00** (2006.01); **E05B 63/24** (2006.01)

CPC (source: EP US)
    E05B 47/0046 (2013.01 - EP US); **E05B 63/248** (2013.01 - EP); Y10T 292/18 (2015.04 - EP US); Y10T 292/699 (2015.04 - EP US)

Citation (search report)
- [X] US 3521921 A 19700728 - MIYAZAKI NAGAO
- [XA] US 3758142 A 19730911 - GARTNER K
- [A] US 4626010 A 19861202 - HANCHETT JR LELAND J [US], et al
- See references of WO 9721893A1

Designated contracting state (EPC)
    DE ES FR GB IT SE

DOCDB simple family (publication)
    WO 9721893 A1 19970619; CA 2239512 A1 19970619; CA 2239512 C 20060228; EP 0866905 A1 19980930; EP 0866905 A4 19990120

DOCDB simple family (application)
    US 9516666 W 19951212; CA 2239512 A 19951212; EP 95943927 A 19951212