

Title (en)  
Security door.

Title (de)  
Sicherheitstür.

Title (fr)  
Porte de sécurité.

Publication  
**EP 0426402 A2 19910508 (EN)**

Application  
**EP 90311810 A 19901029**

Priority  
GB 8924431 A 19891031

Abstract (en)  
A security door is described which has several inventive features. Firstly, the door (34) is composed of a core which includes at least lateral stiles (16, 17) and transverse rail members (18, 19, 14) with a central core (11), the core (11) being sandwiched between two facing layers (12), for example of plywood. As a second feature, one or more glazed openings are formed in the door, the or each opening is formed by cutting an aperture (24) in the door (34), forming a rebate (20) around the outer face of the door (34) in register with said aperture (24), placing a sheet of glazing material (27) with its edge portions within the rebate (20) and securing the glazing sheet using fasteners (29) preferably rivets or non-return screws, the peripheral portion of the glazing sheet (27) and the rebate (20) being covered by a planted moulding (30). Further, in order to strengthen connections between a door (30) and a door frame (35), potential areas of weakness such as hinges (44) and lock (39) are supplemented by pairs of reinforcing members (41, 43, 47, 48) one of which is on the inside of the door frame (36), one of which is on the outer side of the door frame (36), the two reinforcing members (41, 43, 47) being secured together by fasteners (49), these structures serving to spread any bursting force over a larger area of the frame (36). In connection with this latter provision, a selected hinge of the door, for example an uppermost hinge, can be provided with said plates but unconnected so as to provide a weak point to allow entry by police or fire officers in an emergency. As a further aid to this possibility the door frame at that location, or over its entire length can be made from a stile member (56) which is composed of two parts (59, 60) which are adhered or otherwise secured together to provide a part line of weakness. There is also described a fastener arrangement for a security door which includes internal and external handles, a latch bolt and a locking bolt, the arrangement being that operation of the handle on the interior of the lock can cause movement of both the latch bolt and the locking bolt from their closed to their opened conditions. This allows rapid egress from a door fitted with such a fastener assembly.

IPC 1-7  
**E05B 59/00; E05B 63/16; E06B 3/72; E06B 5/10; E06B 5/16; E06B 7/30**

IPC 8 full level  
**E05B 65/10** (2006.01); **E06B 3/74** (2006.01); **E06B 5/11** (2006.01); **E06B 5/16** (2006.01); **E06B 3/70** (2006.01)

CPC (source: EP)  
**E05B 65/104** (2013.01); **E06B 3/74** (2013.01); **E06B 5/11** (2013.01); **E06B 5/162** (2013.01); **E06B 5/164** (2013.01); **E06B 5/167** (2013.01); **E06B 3/5892** (2013.01); **E06B 2003/7021** (2013.01); **E06B 2003/7071** (2013.01); **E06B 2003/7096** (2013.01)

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Designated contracting state (EPC)  
AT BE CH DE DK ES FR GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0426402 A2 19910508; EP 0426402 A3 19910911**; GB 2237835 A 19910515; GB 2237835 B 19940601; GB 8924431 D0 19891220

DOCDB simple family (application)  
**EP 90311810 A 19901029**; GB 8924431 A 19891031