

Title (en)
Bi-directional espagnolette bolt

Title (de)
Bidirektionales Treibstangenschloss

Title (fr)
Crémone-serrure bidirectionelle

Publication
EP 1445407 A1 20040811 (EN)

Application
EP 04250400 A 20040126

Priority
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Abstract (en)
An espagnolette locking mechanism for use in locking a movable leaf into a surrounding fixed frame of a window or door comprises a drive transfer mechanism (3) for connection to a rotatable handle and adapted, in use, to convert rotary movement of the handle into simultaneous translatory movement of driving elements (8, 9) in each of two opposing substantially parallel directions. Primary and secondary drive transfer members (1,2) extend on both sides of the drive transfer mechanism (3) and are connected to the driving elements (8, 9). Locking pins (4) connected to both the primary and secondary drive transfer members (1,2) are arranged in pairs on both sides of the drive transfer mechanism (3) with one of each pair being connected to the primary drive transfer member (1) and the other of each pair being connected to the secondary drive transfer member (2), so that, in use, each pair of locking pins (4) are displaced towards and away from one another upon rotation of the handle to lock and unlock the leaf and frame. <IMAGE>

IPC 1-7
E05C 9/04

IPC 8 full level
E05C 9/04 (2006.01)

CPC (source: EP)
E05C 9/041 (2013.01)

Citation (search report)
• [E] EP 1359273 A1 20031105 - ROTO FRANK AG [DE]
• [E] EP 1340875 A1 20030903 - MAYER & CO [AT]
• [A] GB 2287979 A 19951004 - KWEST CORP LTD [GB]
• [A] FR 2595401 A1 19870911 - LAYES GERARD [FR]
• [A] BE 1013143 A3 20011002 - BENELUX PAYMENT SYSTEMS IN HET [BE]

Cited by
EP4357566A1; EP3995656A1; GB2559782A; GB2559782B

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