

Title (en)  
Weather-resistant lock apparatus

Title (de)  
Witterungsbeständige Verriegelungsvorrichtung

Title (fr)  
Dispositif de verrouillage résistant aux intempéries

Publication  
**EP 1643058 A1 20060405 (EN)**

Application  
**EP 04255749 A 20040922**

Priority  
EP 04255749 A 20040922

Abstract (en)  
A lock core unit of a weather-resistant lock apparatus includes an inner shell (12) received in and rotatable relative to a lock shell (11), a plurality of locking plates (14) received in and rotatable relative to the inner shell (12) and cooperating to form a keyhole of the lock core unit, a locking unit operably associated with the locking plates (14) for locking the inner shell (12) against rotation relative to the lock shell (11) in a locking state of the locking plates (14), and for unlocking the inner shell (12) for rotation relative to the lock shell (11) in an unlocking state of the locking plates (14), a latch actuator (18) coupled to the inner shell (12), and a plurality of spacer plates (15), each of which is disposed between an adjacent pair of the locking plates (14). The spacer plates (15) are made of a material with a hardness less than that of the locking plates (14).

IPC 8 full level  
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Citation (search report)  
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