

Title (en)
LOCKS

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Application
EP 87201019 A 19870601

Priority
GB 8613696 A 19860605

Abstract (en)
[origin: EP0248488A2] A key lock has provision for electromechanical release from a central station in the event of fire or other emergency. The dead bolt 9 is normally key-operated through a runner pin 14 working in a drive slot in the bolt tail. For remote release in an emergency a lever 22 is provided, loaded by a strong spring 24. This lever is normally held inoperative by a second, detent lever 25. The latter can be released by pulsing a solenoid 29, this in turn releasing the lever 22 to drive back the runner pin 14 and bolt 9 under the influence of its spring 24. Only a short pulse of electrical energy is required in order to trigger release of the lever 22 and the force for emergency withdrawal of the bolt comes from the spring 24 rather than electrically, so power-consumption is very low. The lever 22 can be reset after any such operation by a key-engageable member 38, the next time the bolt is thrown out again by the key.

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IPC 8 full level
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CPC (source: EP)
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Cited by
US4949562A; CN103635648A; CN110029871A; CN103154410A; US10378238B2; EP2423414A1; WO9831903A1; WO8809421A1

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