

Title (en)
ELECTROMECHANICAL LOCK

Title (de)
ELEKTROMECHANISCHE SPERRE

Title (fr)
SERRURE ÉLECTROMÉCANIQUE

Publication
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Application
EP 10827218 A 20100923

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Abstract (en)
[origin: EP2495379A1] The present invention relates to the type of locking devices and, more particularly, to electrically operated locks for use in safe doors, residential homes, office premises, and also in vehicle doors. The electro-mechanical lock comprising an electric device, a locking element and its blocking means. The novelty of invention is that blocking means of locking element contains, at least, one displaced member and, at least, two coaxially placed rotating members, each of which has gear rim and radial slot, the electric device is made in a form of electric motor the output shaft of which has the built-in gear wheel entering an engagement with the mentioned rotating members in such a manner that the latter, being set in motion by the mentioned motor, rotate towards each other ensure alignment of radial slots with a possibility of displacement of a shifted member into the specified slots, thereby ensuring an unblocking of blocking means of a locking element. The technical result resides in simplifying of the design and improving reliability.

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Cited by
EP3253940A4; US10233671B2; CN104968877A; CN107498585A; EP3262256A4; EP3262257A4; WO2016137539A1; US10669744B2; US9458647B2; US10480217B2; US10030961B2; WO2016137432A1; WO2015065508A1

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