

Title (en)  
MOTOR-VEHICLE DOOR LOCK

Title (de)  
KRAFTFAHRZEUGTÜRSCHLOSS

Title (fr)  
SERRURE DE PORTIÈRE DE VÉHICULE AUTOMOBILE

Publication  
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Application  
**EP 19736963 A 20190606**

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Abstract (en)  
[origin: WO2019238168A1] The invention relates to a motor vehicle door lock comprising a locking mechanism (1, 2) that essentially consists of a rotary latch (1) and a pawl (2). In addition, a lock retainer (6, 7) interacting with the locking mechanism (1, 2) is produced, which is introduced into the locking mechanism (1, 2) in order to achieve the closed position and rests on a load arm (1c) of the rotary latch (1) in the closed position of the locking mechanism (1, 2). According to the invention, the load arm (1c) is provided with a force deflection contour (9, 10) for the lock retainer (6, 7). The force deflection contour (9, 10) changes a force direction acting on the load arm (1c) from the lock retainer (6, 7), at least in the event of an excessive impact of the lock retainer (6, 7).

IPC 8 full level  
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**E05B 77/02** (2013.01 - EP); **E05B 77/06** (2013.01 - US); **E05B 77/38** (2013.01 - EP US); **E05B 85/243** (2013.01 - US);  
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