Abstract (en)
[origin: EP2543804A2] The automatic lock comprises a primary lock (10) and a secondary lock (16). The secondary lock: comprises a locking element (20, 22') that is adjustable between a locking position and an unlocking position, and a lock latch that is slidably mounted between an extended position and a retracted position; and is automatically adjusted into the locking position during the introduction of the lock in the closed position. The lock latch and the locking element are associated with a respective frame side recess, in which the locking element located in the locking position. The automatic lock comprises a primary lock (10) and a secondary lock (16). The secondary lock: comprises a locking element (20, 22') that is adjustable between a locking position and an unlocking position, and a lock latch that is slidably mounted between an extended position and a retracted position; and is automatically adjusted into the locking position during the introduction of the lock in the closed position. The lock latch and the locking element are associated with a respective frame side recess in which the locking element located in the locking position and the lock latch located in the extended position engage in the unlocking position of the lock. The locking element: located in the unlocking position is biased in the direction of the locking position by a gravitational force acting on the locking element and/or on an element coupled with the locking element or by a spring force acting on the locking element and/or an element coupled with the locking element; comprises a swivel hook, whose center of gravity is arranged outside the pivot axis of the hook so that the swivel hook located in the unlocking position is biased by the gravitational force acting in the direction of the locking position; is operably connected with a transmission element; located in the locking position is secured against back pressure in the direction of the unlocking position; and is coupled with the transmission element via a pin-shaped coupling element. The lock latch: located in the retracted position of the secondary lock is applied with the spring force acting in the direction of the extended position of the lock; and located in the extended position of the secondary lock is retractable on the transmission element of the secondary lock in the retracted position. The transmission element or an element coupled with the transmission element is biased in the direction of the locking position by the action of gravitational force or spring force. The coupling element is slidably stored on the locking element, on the transmission element and on a housing part fixed on the secondary lock. The housing part forms an abutment for the coupling element in the locking position of the locking element, where the back pressure of the locking element is blocked in the direction of the unlocking position. Independent claims are included for: (1) a primary lock for an automatic lock; and (2) a door.