

Title (en)

HOOD LATCH WITH SELF-RETRACTING SECONDARY LATCH RELEASE ARM

Title (de)

VERRIEGELUNGSVORRICHTUNG FÜR MOTORHAUBE MIT EINEM AUTOMATISCH EINZIEHBAREN SEKUNÄREN FREIGABEARM

Title (fr)

DISPOSITIF DE VERROUILLAGE DE CAPOT DOTE D'UN SECOND LEVIER DE DECLENCHEMENT AUTO-RETRACTABLE

Publication

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Application

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Priority

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- US 17622200 P 20000114

Abstract (en)

[origin: WO0151745A2] A latch assembly (10) has a housing having a mouth. A ratchet (12) is pivotally mounted to the housing and is movable to cooperate with the mouth to pivot between an open condition, a primary closed condition and a secondary closed condition for receiving, engaging and cinching a keeper of a striker. The ratchet (12) is biased to the open condition. A pivotally mounted pawl (40) is biased into engagement with the ratchet for releasably retaining the ratchet in the primary closed condition. A secondary release arm (20) is mounted to rotate about a first axis and a second axis. The secondary release arm (20) is rotatable about the first axis between a retracted position and an extended position, and is rotatable out the second axis between an engaging position and a disengaging position. The secondary release arm (20) is biased to the retracted position and biased to the engaging position. The secondary release arm (20) interengages with the ratchet (12) for coupled movement therewith from the primary closed condition to the secondary closed condition effecting movement of the secondary release arm (20) from the retracted position to the extended position upon the pawl (40) being rotated to disengage from the ratchet (12). Upon moving the secondary release arm (20) from the engaging position to the disengaging position, the secondary release arm (20) disengages from the ratchet (12) for independent movement enabling the ratchet (12) to rotate from the secondary closed condition to the open condition and back to the primary closed condition. The secondary release arm (20) also rotates from the extended position to the retracted position.

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