

Title (en)  
COMPACT FIFTH WHEEL LOCKING MECHANISM

Title (de)  
KOMPAKTER VERRIEGELUNGSMECHANISMUS FÜR EINE SATTELKUPPLUNG

Title (fr)  
MÉCANISME DE VERROUILLAGE DE SELLETTE D'ATTELAGE COMPACT

Publication  
**EP 2507117 A1 20121010 (EN)**

Application  
**EP 09851935 A 20091202**

Priority  
US 2009066453 W 20091202

Abstract (en)  
[origin: WO2011068510A1] In a fifth wheel hitch, a locking mechanism for retaining a trailer kingpin within a fifth wheel slot. The locking mechanism includes a jaw assembly comprised of a cam arm pivotally attached at one end to the underside of the hitch plate, a bumper arm pivotally attached by one of its ends to the cam arm, a sliding jaw with a recess for receiving the kingpin shank, and a secondary lock member, pivotally attached at a point intermediate its two ends to the rear portion of the cam arm. The locking mechanism also includes a main spring to pull the free end of the cam arm toward a closed position. A release rod is coupled at one end to secondary lock member at an attachment point that is disposed away from the lock member's axis.

IPC 8 full level  
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