

Title (en)  
CLOSING CYLINDER, IN PARTICULAR FOR MOTOR VEHICLES

Title (de)  
SCHLIESSZYLINDER, INSBESONDERE FÜR KRAFTFAHRZEUGE

Title (fr)  
CYLINDRE DE FERMETURE, NOTAMMENT POUR VEHICULES A MOTEUR

Publication  
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Application  
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Priority

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Abstract (en)

[origin: WO02097222A2] The invention relates to a closing cylinder, for motor vehicles in particular, comprising a housing (1). A cylinder core (2) equipped with a blocking channel (22) and spring-loaded tumblers (20,20') is arranged in an inner cylindrical cavity of said housing. When an incorrect key is inserted into the locking channel (22), the blocking protrusions (201) of the tumbler (20,20') engage with a locking groove (13,13') arranged in an element in which the cylinder core (2) is rotatably mounted. When the correct key is inserted, the blocking protrusions (201) of the tumblers (20,20') do not go beyond the contour of the cylinder core. Said closing cylinder also has means for coupling the cylinder core (2) with an outlet element (3) when the cylinder core (2) is turned using the correct key and for decoupling the cylinder core (2) from the outlet element (3) of the closing cylinder when the cylinder core (2) is turned using an incorrect key or force. The invention is characterized in that the inner cylindrical cavity of the housing (1) has annular rotatable grooves (11), and in that at least one rib (12), which delimits said annular groove from a side that is located in a direction (o) opposite an axial displacement causing the decoupling of the cylinder core (2) and the outlet element (3), the flanks (130,131) of the blocking grooves extending in the direction (o) of the axial displacement which causes the decoupling of the cylinder core (2) and the outlet element (3), is interrupted by at least one blocking groove (13), wherein the flanks (130,131) of the blocking grooves extend in the direction (o) of the axial displacement which causes the decoupling of the cylinder core (2) and the outlet element (3).

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