

Title (en)
SAFETY DEVICE FOR A VEHICLE DOOR HANDLE

Title (de)
SICHERHEITSVORRICHTUNG FÜR EINEN FAHRZEUGTÜRGRIF

Title (fr)
DISPOSITIF DE SÉCURITÉ POUR UNE POIGNÉE DE PORTIÈRE DE VÉHICULE

Publication
EP 3121354 A1 20170125 (EN)

Application
EP 15177514 A 20150720

Priority
EP 15177514 A 20150720

Abstract (en)
The invention relates to a safety device for a vehicle door handle, the device comprising: - an activation element (2) configured to activate a latch wherein a collision on the safety may cause the activation element (2) to activate the latch - a blocking element (3) configured, as a result of the collision, to rotate around a blocking axis (30), from a disengaged position to a blocking position in which the blocking element (3) is intended to block the activation element (2) at a blocked position wherein the activation element (2) comprises a receiving part (4), and the blocking element (3) comprises a blocking part (32) engaging the receiving part (4) in the blocking position wherein during the collision, the blocking part (32) cooperates successively with a first interception wall (42), a second interception wall (41) and a blocking wall (40) of the receiving part. The invention further relates to the corresponding handle.

IPC 8 full level
E05B 77/06 (2014.01); **E05B 85/10** (2014.01)

CPC (source: EP)
E05B 77/06 (2013.01)

Citation (search report)
• [A] EP 1128004 A2 20010829 - VALEO SICUREZZA ABITACOLO SPA [IT]
• [A] EP 2325419 A2 20110525 - HUF HUELSBECK & FUERST GMBH [DE]
• [A] US 2014145454 A1 20140529 - DA DEPPO LYNN D [US], et al
• [A] WO 2008068261 A1 20080612 - VALEO SICUREZZA ABITACOLO SPA [IT], et al

Cited by
EP3483368A1; US11078689B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3121354 A1 20170125; EP 3121354 B1 20170927; BR 112017028603 A2 20180904; BR 112017028603 B1 20220927;
CN 107735540 A 20180223; CN 107735540 B 20191112; JP 2018522152 A 20180809; JP 6758366 B2 20200923; MX 2018000888 A 20180515;
WO 2017012728 A1 20170126

DOCDB simple family (application)
EP 15177514 A 20150720; BR 112017028603 A 20160504; CN 201680039636 A 20160504; EP 2016059969 W 20160504;
JP 2018502798 A 20160504; MX 2018000888 A 20160504