

Title (en)
CRASH CUSHION

Title (de)
AUFPRALLDÄMPFER

Title (fr)
AMORTISSEUR D'IMPACT

Publication
EP 3686346 A1 20200729 (EN)

Application
EP 20460004 A 20200124

Priority
PL 42869519 A 20190128

Abstract (en)
The crash cushion, according to the invention, consists of at least one posts (1) divided into an upper section (1a) and a lower section (1b), where the upper section (1a) being straight, broken or curved, so that after the post (1) has been projected on a vertical plane (Vp) passing through the longitudinal axis (La) of the cushion, the angle between the upper section and lower section is between 5° and 175°, the height of the lower section is between 300 mm and 1200 mm, and the length of the upper section is between 100 mm and 1000 mm.

IPC 8 full level
E01F 15/14 (2006.01); **E01F 13/12** (2006.01)

CPC (source: EP)
E01F 13/12 (2013.01); **E01F 15/145** (2013.01); **E01F 15/146** (2013.01)

Citation (applicant)
• US 3881697 A 19750506 - GLAESENER ERNEST
• US 4290585 A 19810922 - GLAESENER ERNEST
• US 6454488 B1 20020924 - LEWIS SR DAVID [US], et al
• US 3693940 A 19720926 - KENDALL GILES A, et al

Citation (search report)
• [X] GB 2508217 A 20140528 - SAYERS STEEL FABRICATION COMPANY LTD [GB]
• [I] FR 2748763 A1 19971121 - GENTILETTI CHRISTIAN [FR]
• [I] DE 1943439 U 19660804 - BERTRAMS AG HCH [DE]
• [I] DE 102011055960 A1 20130606 - HEINTZMANN SICHERHEITSSYSTEME [DE]
• [I] AU 2011101435 A4 201111208 - MAWSAFE PRODUCTS PTY LTD
• [A] US 2014312289 A1 20141023 - HARRIS JAMES WESLEY [US], et al

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 3686346 A1 20200729; **EP 3686346 B1 20220921**; HR P20221424 T1 20230106; PL 243300 B1 20230731; PL 3686346 T3 20230109; PL 428695 A1 20200810

DOCDB simple family (application)
EP 20460004 A 20200124; HR P20221424 T 20200124; PL 20460004 T 20200124; PL 42869519 A 20190128