

Title (en)  
Energy absorbing lift bracket

Title (de)  
Energieabsorbierender Heißausleger

Title (fr)  
Support de levage à absorption d'énergie

Publication  
**EP 2067736 A3 20100317 (EN)**

Application  
**EP 08016999 A 20080926**

Priority  
US 87297607 A 20071016

Abstract (en)  
[origin: US2009095860A1] A lift bracket (300) includes a topmost portion (304) having an opening (302) arranged for engagement with an engagement portion of a lifting apparatus. The topmost portion (304) is substantially flat and defines a first plane (A-A). A base portion (320) of the lift bracket (300) has at least one fastener opening (322) for fastening the base portion to the engine. The base portion (320) also lies in the first plane (A-A). A yield structure (305) is disposed between the topmost portion (304) and the base portion (320), and includes a mid-portion (312) that defines at least one second plane (B-B) that is spaced and parallel to the first plane (A-A). When a tensile force is applied to the topmost portion (304), the yielding structure (305) yields, the topmost portion displaces away from the base portion (320), and the second plane (B-B) displaces towards the first plane (A-A).

IPC 8 full level  
**B66C 1/10** (2006.01); **B66C 1/62** (2006.01)

CPC (source: EP US)  
**B66C 1/10** (2013.01 - EP US); **B66C 1/107** (2013.01 - EP US); **B66C 1/62** (2013.01 - EP US); **E02D 27/44** (2013.01 - EP US)

Citation (search report)  
• [AX] FR 2818733 A1 20020628 - RENAULT [FR]  
• [AX] JP 2001263086 A 20010926 - NISSAN DIESEL MOTOR CO  
• [E] CN 201129213 Y 20081008 - CHINA HEAVY DUTY TRUCK GROUP JINAN TECHNOLOGY CENTER CO LTD [CN]  
• [E] FR 2928906 A3 20090925 - RENAULT SAS [FR]

Cited by  
DE102010005829A1

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

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**US 2009095860 A1 20090416**; BR PI0804360 A2 20090616; CA 2639792 A1 20090416; EP 2067736 A2 20090610; EP 2067736 A3 20100317; EP 2067736 B1 20120328; MX 2008012681 A 20090508

DOCDB simple family (application)  
**US 87297607 A 20071016**; BR PI0804360 A 20081015; CA 2639792 A 20080924; EP 08016999 A 20080926; MX 2008012681 A 20081002