Title (en)

PLUNGER BUFFER

Title (de)

HÜLSENPUFFER

Title (fr)

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Publication

EP 1740435 B1 20080423 (DE)

Application

EP 04729619 A 20040427

Priority

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Abstract (en)

[origin: WO2005115818A1] The invention relates to a plunger buffer that comprises first and second guide elements in the form of a buffer housing (10) and a plunger (20). The aim of the invention is to allow a significant length reduction for the controlled deformation of the buffer housing in the event of overload and at the same time a sufficiently large overlap in the normal operation (compression until full plunger displacement is attained). For this purpose, at least one (20) of the two guide elements (10, 20; 10, 50) consists of two or more elongate sections (22, 24; 52, 54) disposed one after the other. The elongate sections (22, 24; 52, 54), in the area of their adjacent faces, are interlinked by one ore more predetermined breaking point(s) (23; 53) each and have different cross-sectional dimensions. When a defined impact force (triggering force) onto the buffer housing (1) is exceeded, the predetermined breaking point(s) (23; 53) tear(s) off and the elongate sections (22, 24; 52, 54) are telescoped into each other.

IPC 8 full level

B61G 11/16 (2006.01); **B61G 11/14** (2006.01)

CPC (source: EP)

B61G 11/16 (2013.01)

Cited by

DE102018130253A1; EP3771610A1; EP3594082A1; EP3771609A1; TWI551491B; EP3771611A1; EP3771610B1

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