

Title (en)  
PULSED LOCOMOTOR

Title (de)  
GEPULSTE BEWEGUNGSVORRICHTUNG

Title (fr)  
APPAREIL À DÉPLACEMENT PULSÉ

Publication  
**EP 3245125 A4 20190102 (EN)**

Application  
**EP 15811637 A 20150112**

Priority  
• CA 2015050015 W 20150112  
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Abstract (en)  
[origin: WO2015196276A1] A Pulsed Locomotor (120), for propelling media, fluids and crafts, in fluids and on land, comprising a blade (124) securely connected to a drive shaft (122). Upon reciprocation, the ambient medium is forced towards the trailing edge of the blade (124) thereby causing a reactive locomotion of the apparatus, substantially along the plane of the blade. Apparatus is secured to motor M by fastening through aperture (130). The apparatus can be operated directly by motor M, and indirectly by the reaction momentum imparted to a supporting platform P. Thrust is directed by steering handle (128) about a bearing (126), rotatably coupling to platform P and base C. Lubricant L is supplied to outlets (134) via conduit (136) and inlet (132), to coat the apparatus with a lubricant cavity, for drag reduction. The blade (124) planes along a figure 8 reciprocation path s1e1s2e2s1. Crafts are embodied.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
• [XYI] CH 385653 A 19641215 - HUNZIKER PAUL G [CH]  
• [X] JP S55140694 A 19801104 - ONO GIJUTSU KENKYUSHO YUUGEN  
• [Y] FR 2616076 A1 19881209 - DECROIX PAUL [FR]  
• [Y] DE 1006751 B 19570418 - ERNST HASCHE  
• [Y] US 6439148 B1 20020827 - LANG THOMAS G [US]  
• [Y] US 2005076819 A1 20050414 - HILLEMANN TERRY BRUCEMAN [US]  
• See also references of WO 2015196276A1

Designated contracting state (EPC)  
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