

Title (en)  
A FREE FALL TOWER FOR FUNFAIRS

Title (de)  
FREIFALLTURM FÜR JAHRMÄRKTE

Title (fr)  
TOUR DE CHUTE LIBRE POUR FETES FORAINES

Publication  
**EP 1187664 A1 20020320 (EN)**

Application  
**EP 00911258 A 20000310**

Priority  
• IT 0000080 W 20000310  
• IT MO990137 A 19990622

Abstract (en)  
[origin: WO0078423A1] A free-fall tower for funfairs comprises a support structure (2) along which a passenger capsule (4) is mobile in both directions. The capsule (4) is brought from a lower position, in which the passengers board, to an upper position, from which a rapid free fall begins. The descending capsule (4) is braked until it reaches a halt. A plurality of fluid-dynamic cylinders (9) are loaded by the capsule (4) during a last tract of the upwards travel thereof, and energy thus accumulated in the cylinders (9) is released in order to thrust the capsule (4) groundwards during the first tract of drop thereof. The force of the mechanical thrust of the cylinders (9), added to the force of gravity, considerably increases the passenger's sensation of free-falling.

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IPC 8 full level  
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CPC (source: EP)  
**A63G 31/00** (2013.01); **A63G 2031/002** (2013.01)

Citation (search report)  
See references of WO 0078423A1

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