

Title (en)  
LAUNCHING DEVICE AND METHOD

Title (de)  
ABSCHUSSVORRICHTUNG UND VERFAHREN

Title (fr)  
DISPOSITIF DE LANCEMENT ET PROCÉDÉ

Publication  
**EP 2247909 A4 20131106 (EN)**

Application  
**EP 09715028 A 20090227**

Priority  

- US 2009035473 W 20090227
- US 3232308 P 20080228
- US 39358309 A 20090226

Abstract (en)  
[origin: WO2009108861A1] A launching device is described that includes a launcher and an optional snowball forming device. The launching device accepts objects, such as snowballs, and propels them through a generally cylindrical housing using energy stored in elastic bands. One embodiment is an automatic launcher that includes an integrated snowball forming device. Uncompacted snow is provided to a hopper. The backwards motion of a handle compacts the snow into a ball and stores energy for launching, and the release of the handle propels the snowball.

IPC 8 full level  
**F41B 3/02** (2006.01)

CPC (source: EP)  
**F41B 3/005** (2013.01); **F41B 3/02** (2013.01); **F41B 7/006** (2013.01)

Citation (search report)  

- [A] US 5579749 A 19961203 - WILKINSON WILLIAM T [US]
- [A] US 2007209646 A1 20070913 - SIEBELINK THOMAS [US]
- [A] US 4261319 A 19810414 - DIXON JACK R
- [A] US 2948275 A 19600809 - SMITH ROBERT D
- See references of WO 2009108861A1

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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2009108861 A1 20090903**; CA 2717027 A1 20090903; CN 101946150 A 20110112; CN 101946150 B 20130925; EP 2247909 A1 20101110; EP 2247909 A4 20131106; HK 1151579 A1 20120203; RU 2010134156 A 20120410; RU 2502034 C2 20131220

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