

Title (en)

Watertight loading device for spearguns

Title (de)

Wasserdichte Ladevorrichtung für Speergewehre

Title (fr)

Dispositif de chargement étanche à l'eau pour lance-harpons

Publication

**EP 2202477 A1 20100630 (EN)**

Application

**EP 09180065 A 20091221**

Priority

IT LU20080022 A 20081223

Abstract (en)

Watertight loading device for spearguns with a piston (4) comprising a tip (1) arranged for being mounted on a barrel (2) of a speargun and suitable for a spear (3) to pass through, wherein elastic sealing means (8), arranged for cooperating by friction with said spear (3) to obtain a watertight seal, are associated with said tip (1).

IPC 8 full level

**F41B 11/83** (2013.01); **F41A 21/32** (2006.01)

CPC (source: EP)

**F41A 21/32** (2013.01); **F41B 11/83** (2013.01)

Citation (search report)

- [XY] FR 2617954 A1 19890113 - CTIEMGE [BG]
- [YA] DE 1122873 B 19620125 - VILARRUBIS SAGUE SA
- [A] WO 9639607 A1 19961212 - KOZLOVTZEV JURY B [BY]
- [A] US 3320941 A 19670523 - GEORGE HOUGHTON JOHN

Cited by

IT201700113570A1; ITCB20100002A1

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 SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2202477 A1 20100630; EP 2202477 B1 20111214**; AT E537420 T1 20111215; ES 2378749 T3 20120417; IT 1393639 B1 20120508; IT LU20080022 A1 20100624

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