

Title (en)

METHOD FOR INCREASING THE RANGE OF SPIN-STABILIZED PROJECTILES, AND PROJECTILE OF SAID TYPE

Title (de)

VERFAHREN ZUR STEIGERUNG DER REICHWEITE VON DRALLSTABILISIERTEN PROJEKTILEN UND EBENSOLCHES PROJEKTIL

Title (fr)

PROCÉDÉ PERMETTANT D'AUGMENTER LA PORTÉE DE PROJECTILES GYROSCOPÉS ET PROJECTILE DE CE TYPE

Publication

EP 3028002 A1 20160608 (DE)

Application

EP 14744849 A 20140730

Priority

- CH 13422013 A 20130731
- EP 2014066341 W 20140730

Abstract (en)

[origin: WO2015014877A1] To increase the range of a spin-stabilized projectile which moves in a surrounding medium, the surrounding medium from a stagnant-water region of the projectile is, by means of a part of the rotational energy of the projectile, conveyed under the inflowing boundary layer at the outer surface of the projectile, and thus the speed gradient of the boundary layer in the vicinity of the wall is reduced. For this purpose, the outer surface has at least one encircling groove (9) which is connected by radial transverse ducts (10) to at least one longitudinal duct (11) in the interior of the projectile, which in turn is connected to an opening in the rear of the projectile.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2015014877A1

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