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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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(54) Title: MUZZLE BRAKE DEVICE

(57) Abstract: A muzzle brake device includes a main body having a receiver opening, a discharge opening, a central bore, and a plurality of discharge channels extending outward from the central bore at locations between the receiver opening and the discharge opening. A plurality of raised inlet members are disposed along the central bore and are in communication with the plurality of discharge channels. A separation distance between the channels is complementary to the length of the projectile to which the weapon on which the device is attached, and each of the discharge channels are arranged to emulate the vane of a turbine engine, so as to produce a mechanical force that counteracts the recoil of the weapon to which the device is attached.



WO 2020/086201 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC - F41A 21/28, F41A 21/32, F41A 21/36, F41A 21/38, F41A 3/12, F41A 3/16, F41A 3/26 (2020.01)

CPC - F41A 21/28, F41A 21/32, F41A 21/38, F41A 21/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

See Search History document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2018/0087861 A1 (McMillan) 29 March 2018 (29.03.2018), entire document, especially Fig. 1, 2, 3, 4, 5, 6a, 6b, 6c; para[0026]; para[0029]; para[0027]; para[0030]; para[0032]; para[0037]; para[0036]; para[0040]; para[0033]; para[0042];	1-15
A	US 2010/0269387 A1 (Drajan) 28 October 2010 (28.10.2010), entire document	1-15
A	US 6,216,578 B1 (Ledys et al.) 17 April 2001 (17.04.2001), entire document	1-15
A	US 7,032,339 B1 (Bounds) 25 April 2006 (25.04.2006), entire document	1-15
A	US 2011/0203447 A1 (Dueck et al.) 25 August 2011 (25.08.2011), entire document	1-15
A	US 8,424,440 B1 (Carson et al.) 23 April 2013 (23.04.2013), entire document	1-15
A	US 6,276,251 B1 (Downing et al.) 21 August 2001 (21.08.2001), entire document	1-15
A	US 5,476,028 A (Seberger) 19 December 1995 (19.12.1995), entire document	1-15
A	US 2,567,826 A (Prache) 11 September 1951 (11.09.1951), entire document	1-15
A	US 6,899,008 B2 (Breuer) 31 May 2005 (31.05.2005), entire document	1-15



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