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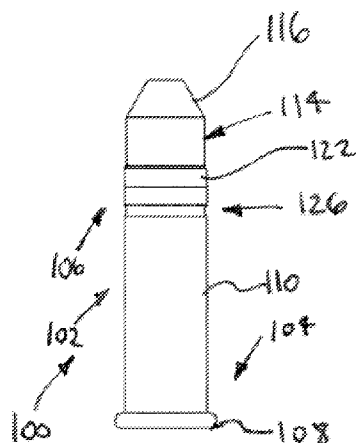


FIG. 2

(57) **Abstract:** A.22 caliber rimfire cartridge includes a generally cylindrical casing having a rearward rimfire end and an opposing mouth end, wherein the rearward rimfire end has an annular rim connecting to a cylindrical casing portion extending to a casing forward edge and a bullet is disposed in the forward mouth end. In embodiments, the bullet comprises copper and a polymer binder. In embodiments, the bullet has a forward tapering portion with a central cavity, a first cylindrical portion with a first diameter and a cylindrical surface directly rearward of the tapering portion, a cylindrical driving band directly rearward of the first cylindrical portion, the cylindrical driving band having a second diameter greater than the first diameter and having an outer second cylindrical surface, a third cylindrical portion directly rearward of the cylindrical driving band, the third cylindrical portion having a third cylindrical surface with a diameter equal to the first diameter.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC - F42B 5/32, F42B 30/02, F42B 12/78 (2020.01)

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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.
Y	US 5,216,199 A (Bjerke et al) 01 June 1993 (01.06.1993), entire document, especially fig 1	1-20
Y	US 10,041,770 B2 (True Velocity, Inc) 07 August 2018 (07.08.2018), entire document, especially Fig 19B	1-20
A	US 6,629,485 B2 (Vaughn et al) 07 October 2003 (07.10.2003), entire document	1-20
A	US 9,255,775 B1 (Rubin) 09 February 2016 (09.02.2016), entire document	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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