

US00D872823S

(12) **United States Design Patent**  
**Wustlich et al.**

(10) **Patent No.:** **US D872,823 S**  
(45) **Date of Patent:** **\*\* Jan. 14, 2020**

(54) **PYROTECHNIC ARTICLE**

CPC .. F42B 27/00; F42B 8/26; F42B 12/46; F42B 27/08; F42B 4/16

(71) Applicant: **RHEINMETALL WAFFE**  
**MUNITION GMBH**, Unterlüss (DE)

See application file for complete search history.

(72) Inventors: **Martin Wustlich**, Lübeck (DE); **Frank Habel**, Hohnstorf (DE); **Kai Lübbers**, Kuddewörde (DE); **Julia Heering**, Tritttau (DE); **Philip Weber**, Tritttau (DE)

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,791,327 A \* 8/1998 Riggs ..... F41A 19/18  
124/56  
9,846,019 B1 \* 12/2017 Graf ..... F42C 14/02

(73) Assignee: **RHEINMETALL WAFFE**  
**MUNITION GMBH**, Unterlüess (DE)

FOREIGN PATENT DOCUMENTS

DE 102017108938 A1 \* 10/2018 ..... F42B 4/16  
JP 2008292142 A \* 12/2008  
JP 5408522 B2 \* 2/2014  
WO WO-2011147541 A1 \* 12/2011 ..... F42C 14/02

(\*\*) Term: **15 Years**

\* cited by examiner

(21) Appl. No.: **35/506,087**

*Primary Examiner* — Michael A. Pratt

(22) Filed: **Jun. 11, 2018**

(80) **Hague Agreement Data**

(57) **CLAIM**

Int. Filing Date: **Jun. 11, 2018**  
Int. Reg. No.: **DM/103663**  
Int. Reg. Date: **Jun. 11, 2018**  
Int. Reg. Pub. Date: **Nov. 23, 2018**

The ornamental design for pyrotechnic article, as shown and described.

(30) **Foreign Application Priority Data**

**DESCRIPTION**

Dec. 12, 2017 (DE) ..... 40 2017 101 345-001  
Dec. 12, 2017 (DE) ..... 40 2017 101 345-002

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

(51) **LOC (12) Cl.** ..... **22-03**

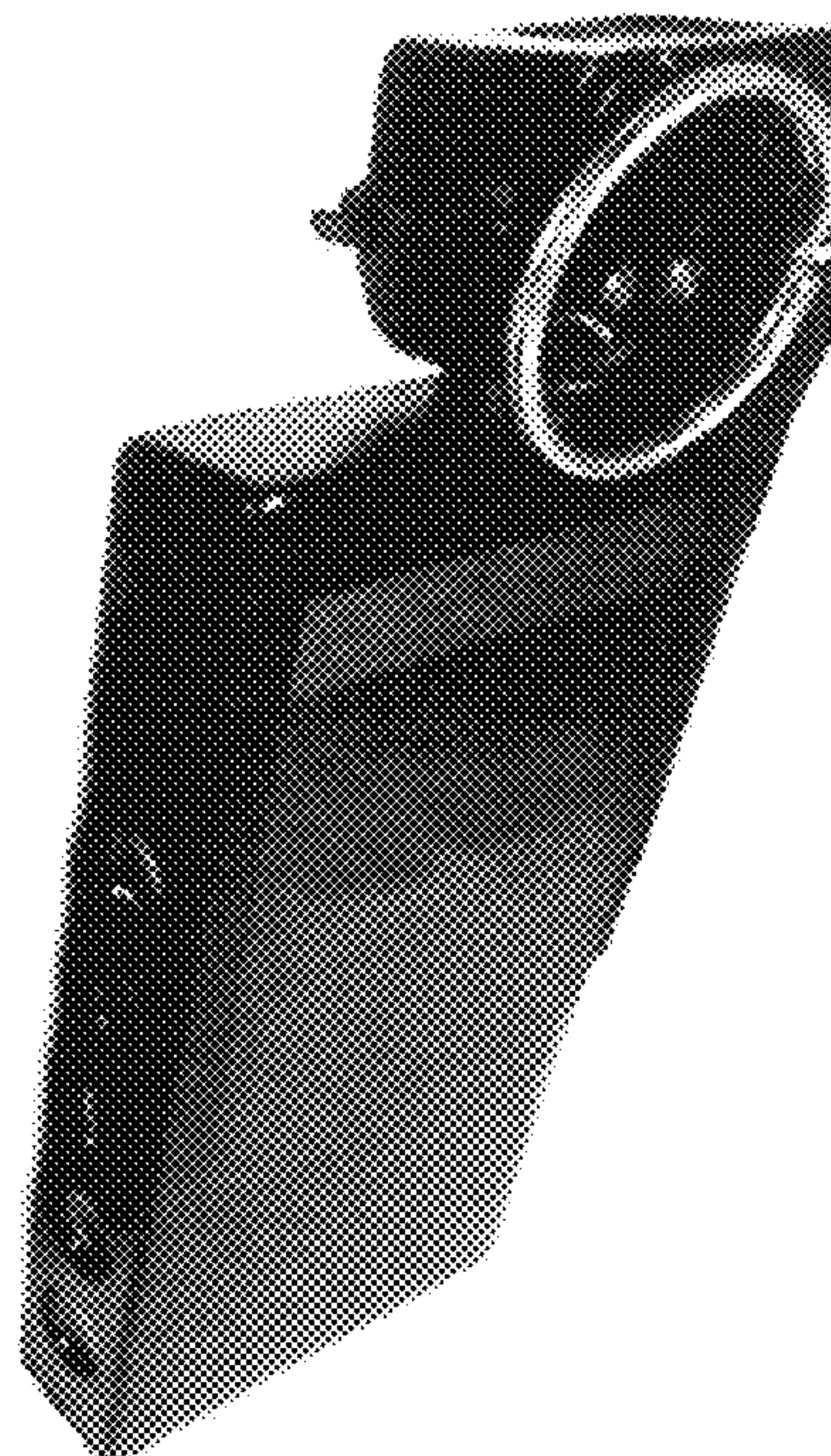
1.-2. Pyrotechnic article

(52) **U.S. Cl.**  
USPC ..... **D22/112**

1.1 : Perspective  
1.2 : Perspective  
2.1 : Perspective  
2.2 : Perspective

(58) **Field of Classification Search**  
USPC ..... **D22/112**

**1 Claim, 4 Drawing Sheets**  
**(4 of 4 Drawing Sheet(s) Filed in Color)**





**1.1**





**1.2**





# 2.1





2.2

