(12) POST-GRANT REVIEW CERTIFICATE (260th) **United States Patent** (10) **Number:**

Preiss et al.

DOCKET

Δ

US 10,844,697 J1

Aug. 3, 2023 (45) Certificate Issued:

(54) PERFORATION GUN COMPONENTS AND **SYSTEM**

- (71) Applicants: Frank Haron Preiss; Liam McNelis; Eric Mulhern; Thilo Scharf; David C. Parks
- (72) Inventors: Frank Haron Preiss; Liam McNelis; Eric Mulhern; Thilo Scharf; David C. Parks
- (73) Assignee: **DYNAENERGETICS EUROPE GMBH**

Trial Numbers:

PGR2021-00078 filed May 10, 2021 PGR2021-00097 filed Jul. 21, 2021

Post-Grant Review Certificate for:

| Patent No.: | 10,844,697 |
|-------------|---------------|
| Issued: | Nov. 24, 2020 |
| Appl. No.: | 16/585,790 |
| Filed: | Sep. 27, 2019 |

The results of PGR2021-00078 and PGR2021-00097 are reflected in this post-grant review certificate under 35 U.S.C. 328(b).

POST-GRANT REVIEW CERTIFICATE U.S. Patent 10,844,697 J1 Trial No. PGR2021-00078 Certificate Issued Aug. 3, 2023

1

2

AS A RESULT OF THE POST-GRANT REVIEW PROCEEDING, IT HAS BEEN DETERMINED THAT:

Claims 1-21 are cancelled.

* * * * *

5