



US00D865141S

(12) **United States Design Patent** (10) **Patent No.:** **US D865,141 S**  
**Sakae** (45) **Date of Patent:** **\*\* Oct. 29, 2019**

(54) **HEAT EXCHANGER TUBE**  
(71) Applicant: **Kobe Steel, Ltd.**, Kobe-shi (JP)  
(72) Inventor: **Akira Sakae**, Kobe (JP)  
(73) Assignee: **Kobe Steel, Ltd.**, Kobe-shi (JP)  
(\*\*) Term: **15 Years**

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(21) Appl. No.: **29/545,885**  
(22) Filed: **Nov. 17, 2015**

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(30) **Foreign Application Priority Data**

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(51) **LOC (12) Cl.** ..... **23-03**

*Primary Examiner* — T Chase Nelson

(52) **U.S. Cl.**

*Assistant Examiner* — Ania Aman

USPC ..... **D23/323**; D23/341

(74) *Attorney, Agent, or Firm* — Oblon, McClelland,  
Maier & Neustadt, L.L.P.

(58) **Field of Classification Search**

USPC ..... D23/314, 318, 322, 323, 332, 341;  
D15/4, 6

CPC ..... F28F 1/16; F28F 1/18; F28F 1/12; F28F  
1/105; F28F 1/10; F28F 2255/16; F28F  
1/20; B23P 15/26; B29C 47/908; F28D  
1/00; Y10T 29/4938; Y10T 29/49378;  
Y10T 29/49382; Y10T 29/49385

See application file for complete search history.

(57) **CLAIM**

The ornamental design for a heat exchanger tube, as shown  
and described.

**DESCRIPTION**

(56) **References Cited**

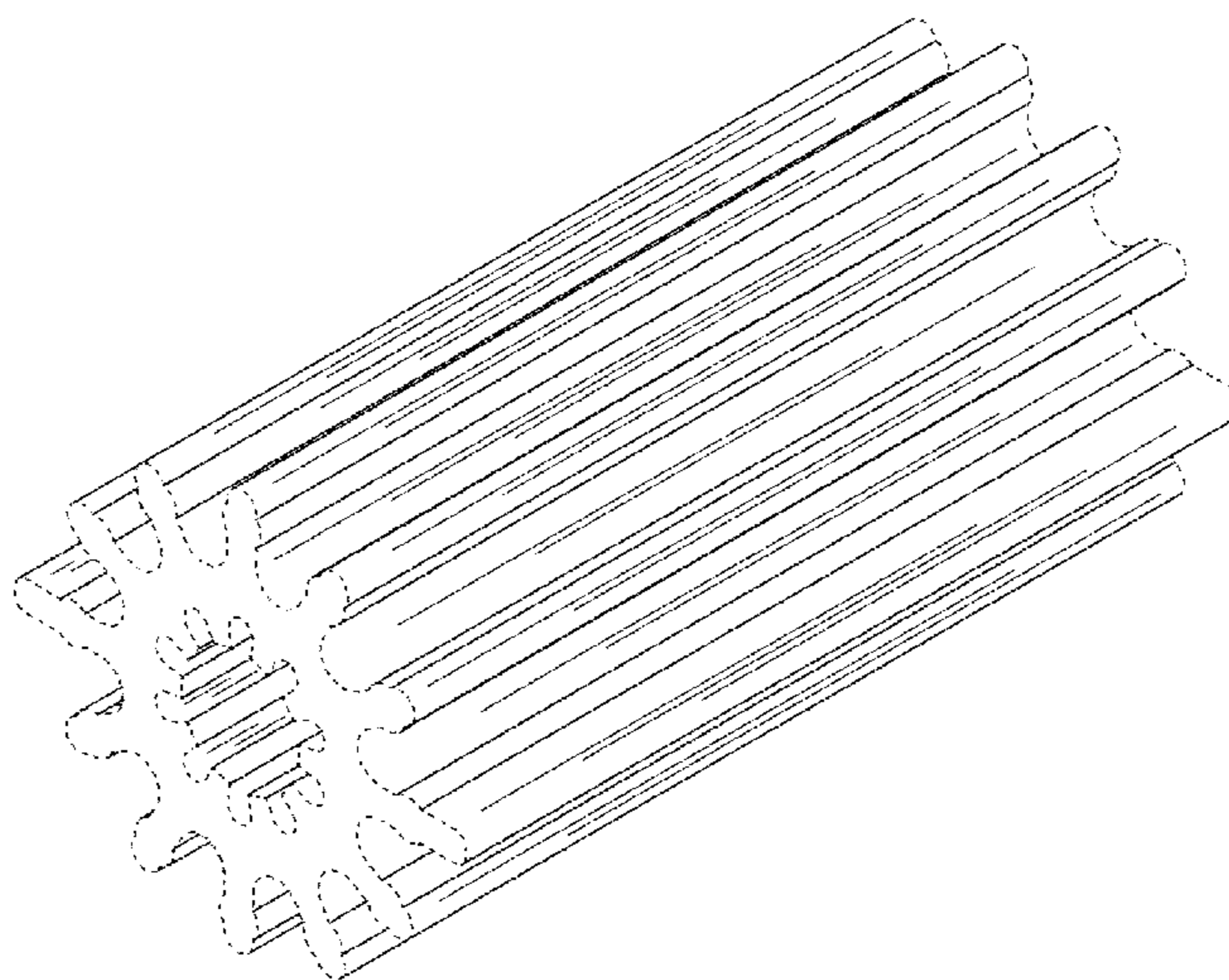
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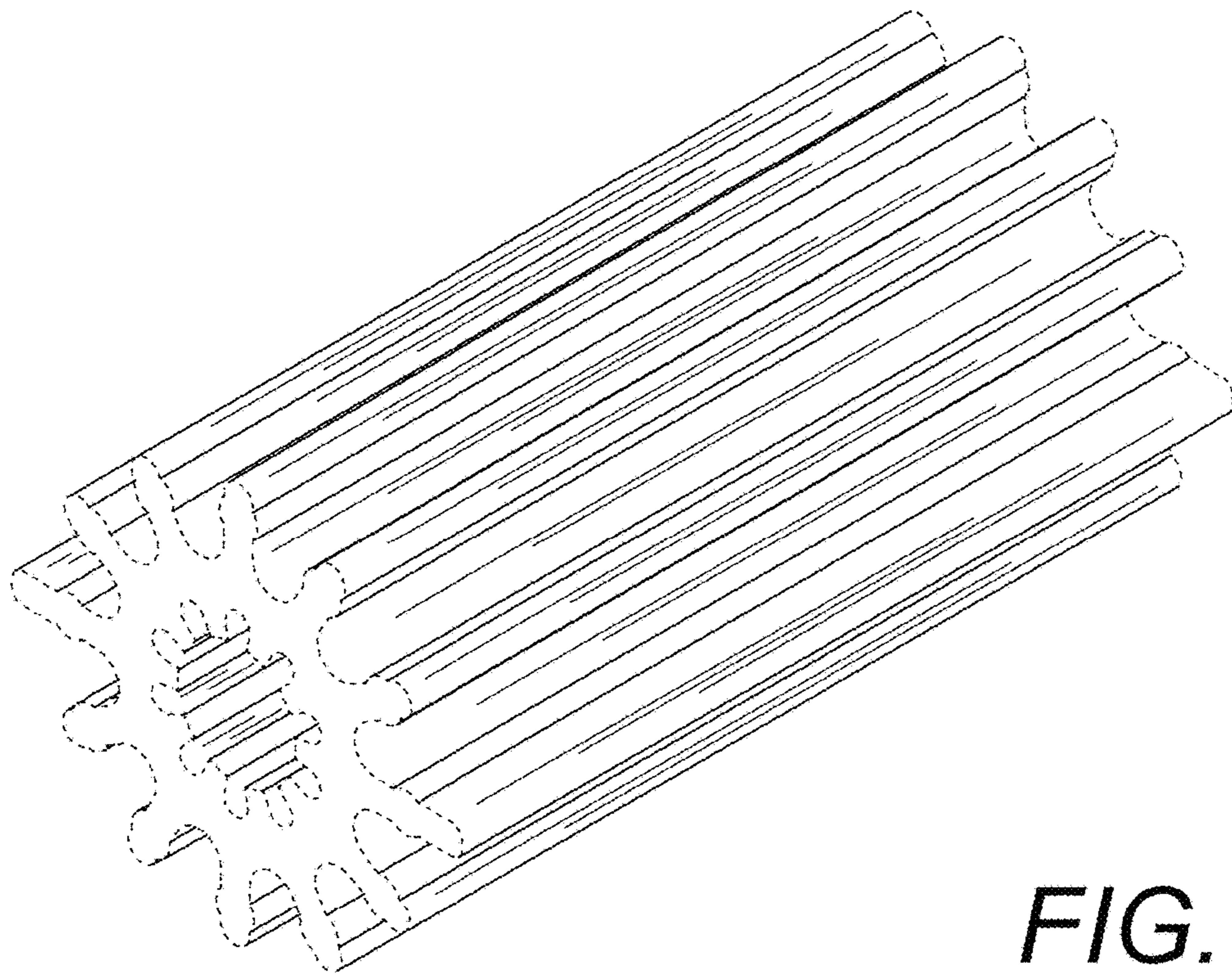
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FIG. 1 is a perspective view of a heat exchanger tube;  
FIG. 2 is a front view thereof, the opposite side being an  
identical image of the side shown herein;  
FIG. 3 is a left side view thereof, the opposite side being an  
identical image of the side shown herein;  
FIG. 4 is a top view thereof, the opposite side being an  
identical image of the side shown herein; and,  
FIG. 5 is a cross-sectional view taken along line 5-5 in FIG.  
2 thereof.

In the drawings, the broken lines depict unclaimed portions  
of the design only and form no part of the claimed design.

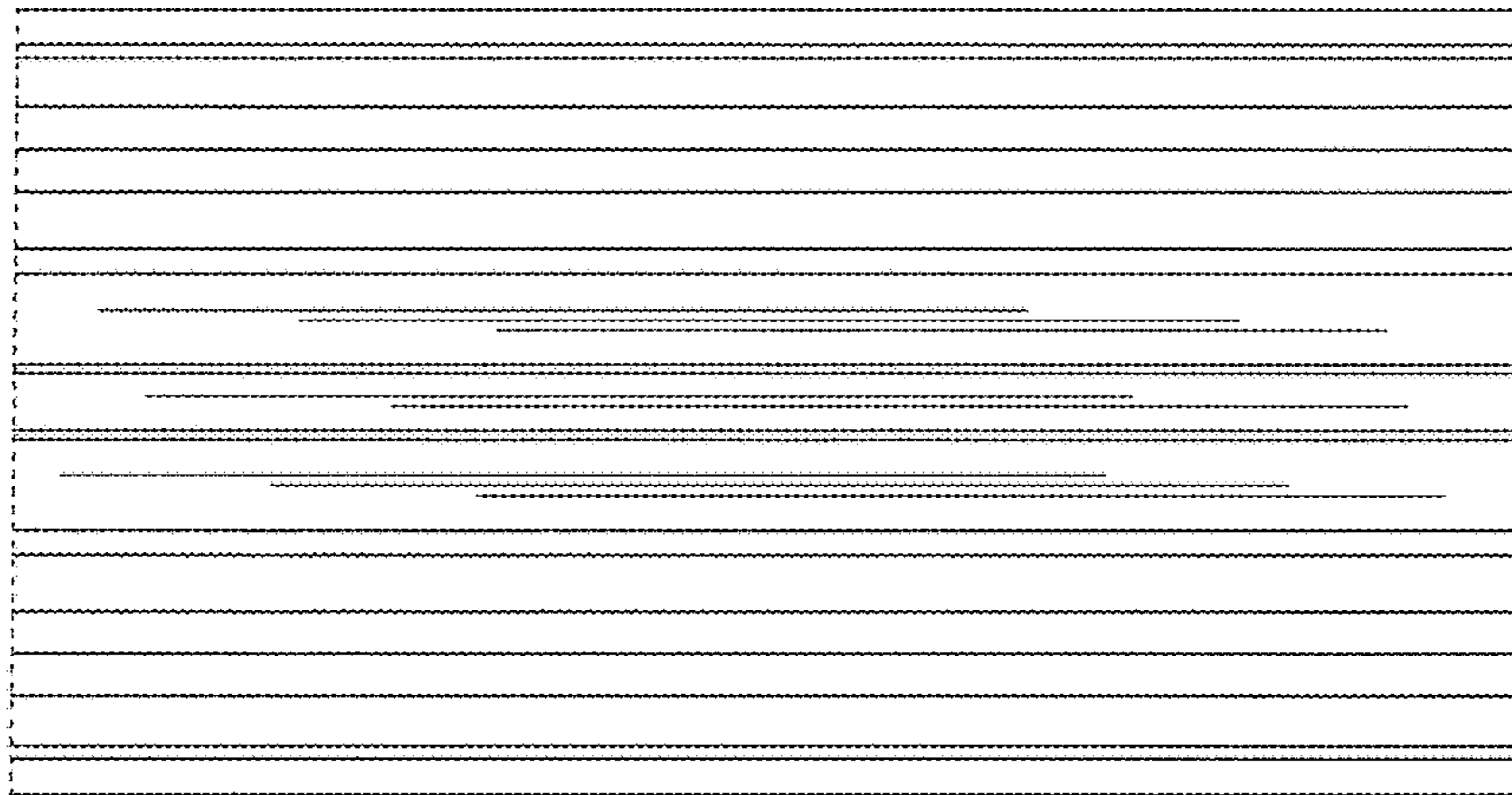
**1 Claim, 3 Drawing Sheets**





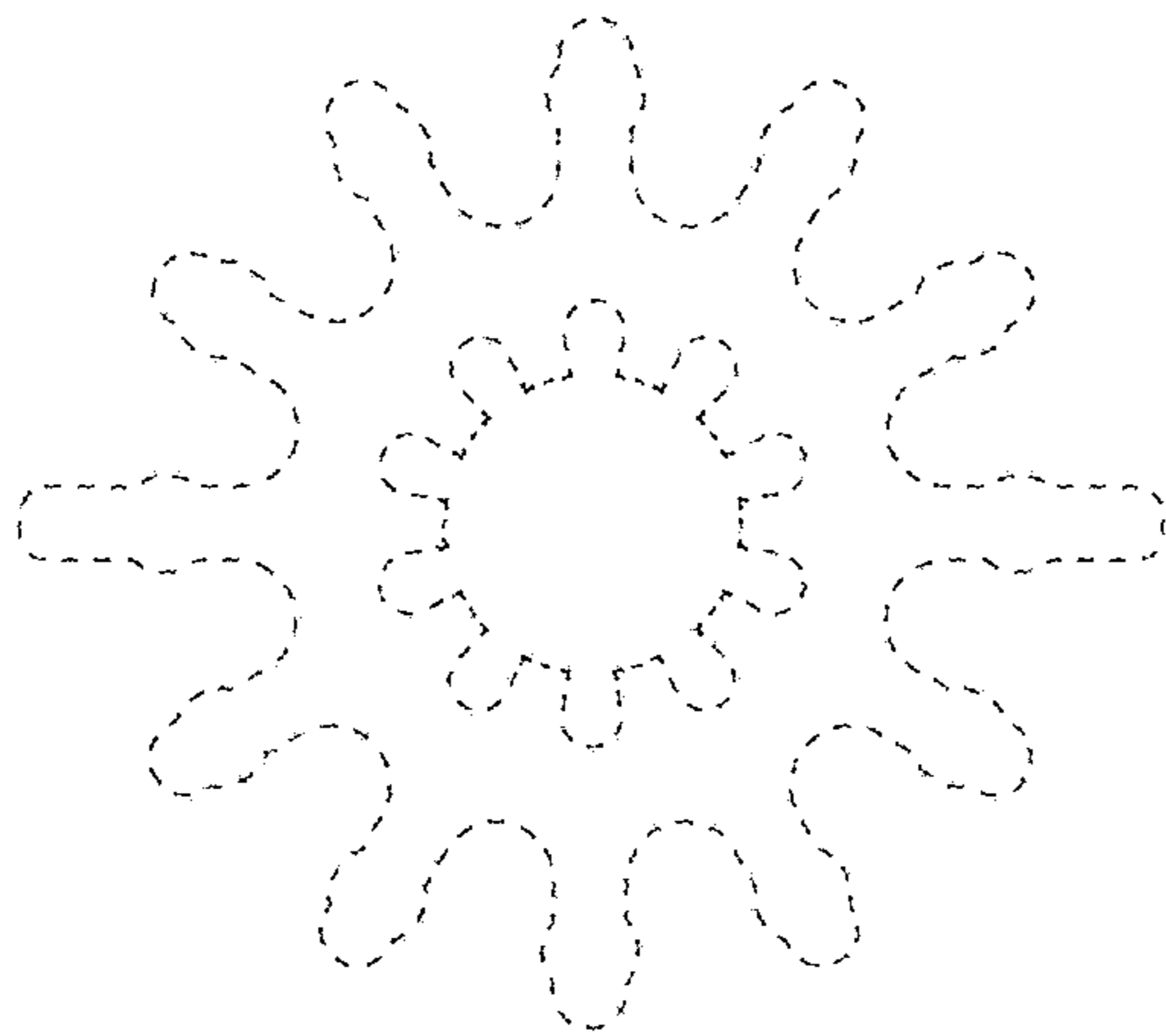
**FIG. 1**

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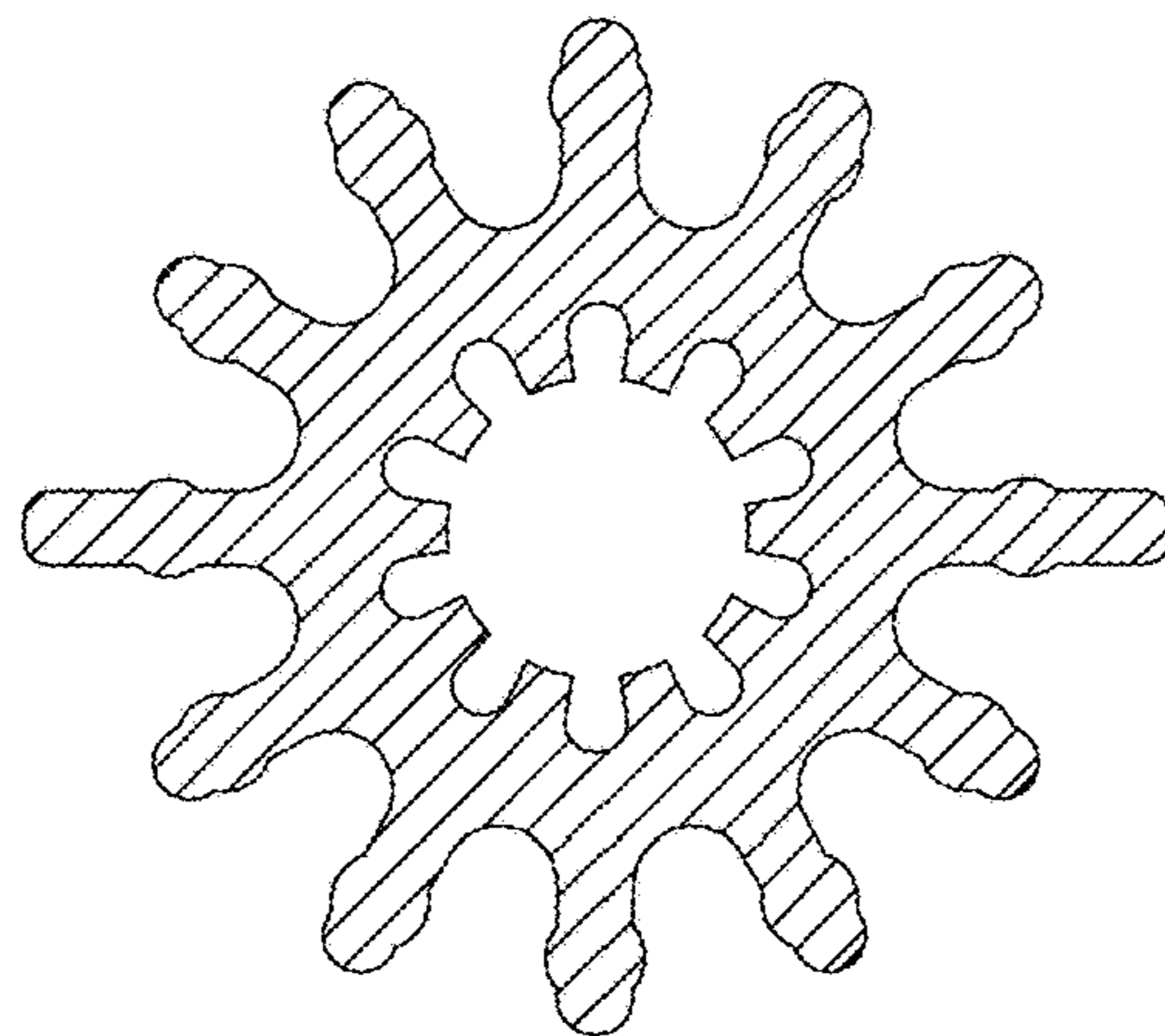
**FIG.2**



**FIG.3**



*FIG. 4*



*FIG. 5*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : D865,141 S  
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DATED : October 29, 2019  
INVENTOR(S) : Akira Sakae

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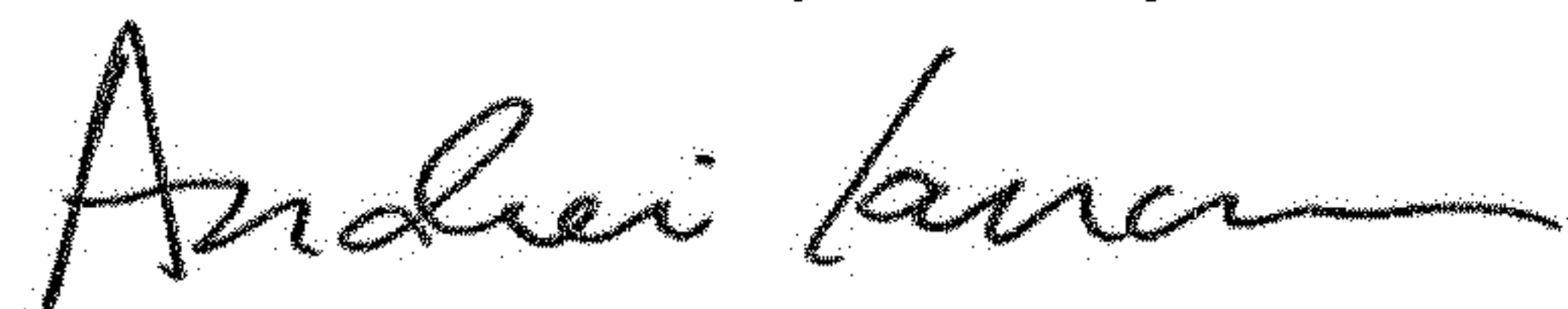
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Item (73), the Assignee's name is incorrect. Item (73) should read:

-- (73) Assignee: **Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)**, Kobe-shi (JP) --

Signed and Sealed this  
Fourteenth Day of July, 2020



Andrei Iancu  
*Director of the United States Patent and Trademark Office*