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

(10) **Patent No.:** **US D895,076 S**
(45) **Date of Patent:** **** Sep. 1, 2020**

(54) **COMPOSITE SEAL MEMBER FOR SEMICONDUCTOR PRODUCTION APPARATUS**

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(Continued)

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(73) Assignee: **Valqua, Ltd.**, Tokyo (JP)

(57) **CLAIM**

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

The ornamental design for a composite seal member for semiconductor production apparatus, as shown and described.

(21) Appl. No.: **35/506,451**

(22) Filed: **Aug. 3, 2018**

DESCRIPTION

(80) **Hague Agreement Data**

Int. Filing Date: **Aug. 3, 2018**

Int. Reg. No.: **DM/102525**

Int. Reg. Date: **Aug. 3, 2018**

Int. Reg. Pub. Date: **Feb. 8, 2019**

1. Composite seal member for semiconductor production apparatus
- 1.1 : Perspective
- 1.2 : Front
- 1.3 : Back
- 1.4 : Left
- 1.5 : Right
- 1.6 : Top
- 1.7 : Bottom
- 1.8 : Cross-sectional
- 1.9 : Partial enlargement of cross-sectional view 1.8
- 1.10 : Reference

(30) **Foreign Application Priority Data**

Feb. 8, 2018 (JP) 2018-002526

(51) **LOC (12) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/269**

(58) **Field of Classification Search**
USPC D23/269; D8/382

(Continued)

The present article is a composite seal member for semiconductor production apparatuses, such as chemical vapor deposition apparatuses and dry etching apparatuses; as illustrated in the reproduction 1.10, the article is composed of a first component formed of rubber occupying a major part of the article and a second component formed of a synthetic resin, and is to be inserted into the groove of a semiconductor production apparatus; the semiconductor production apparatus itself forms no part of the claimed design; the reproduction 1.8 shows a transverse cross-sectional front view taken along the horizontal center of the reproduction 1.6; and the reproduction 1.9 is an enlarged view showing a left end portion of the cross-sectional view 1.8.

(Continued)

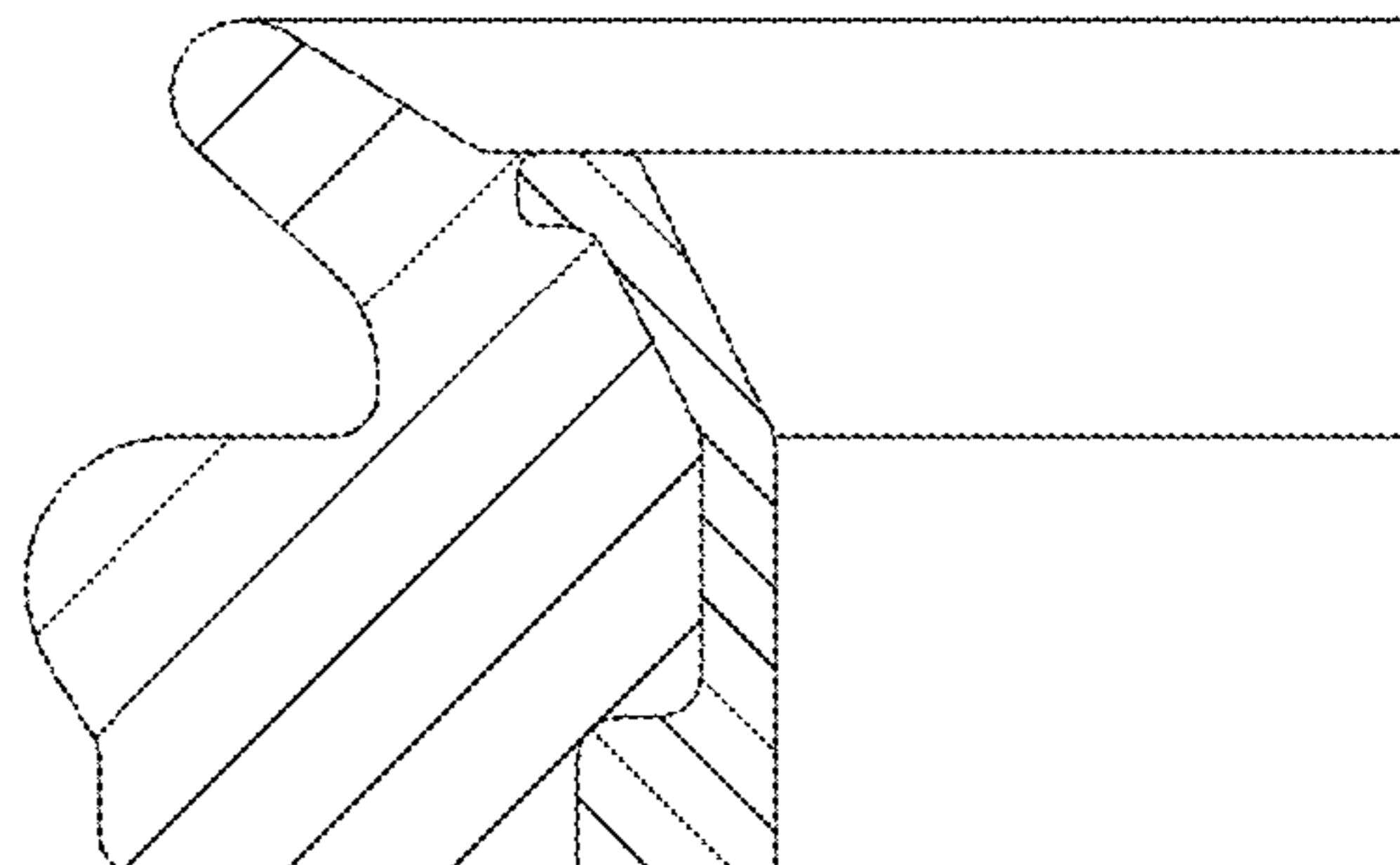
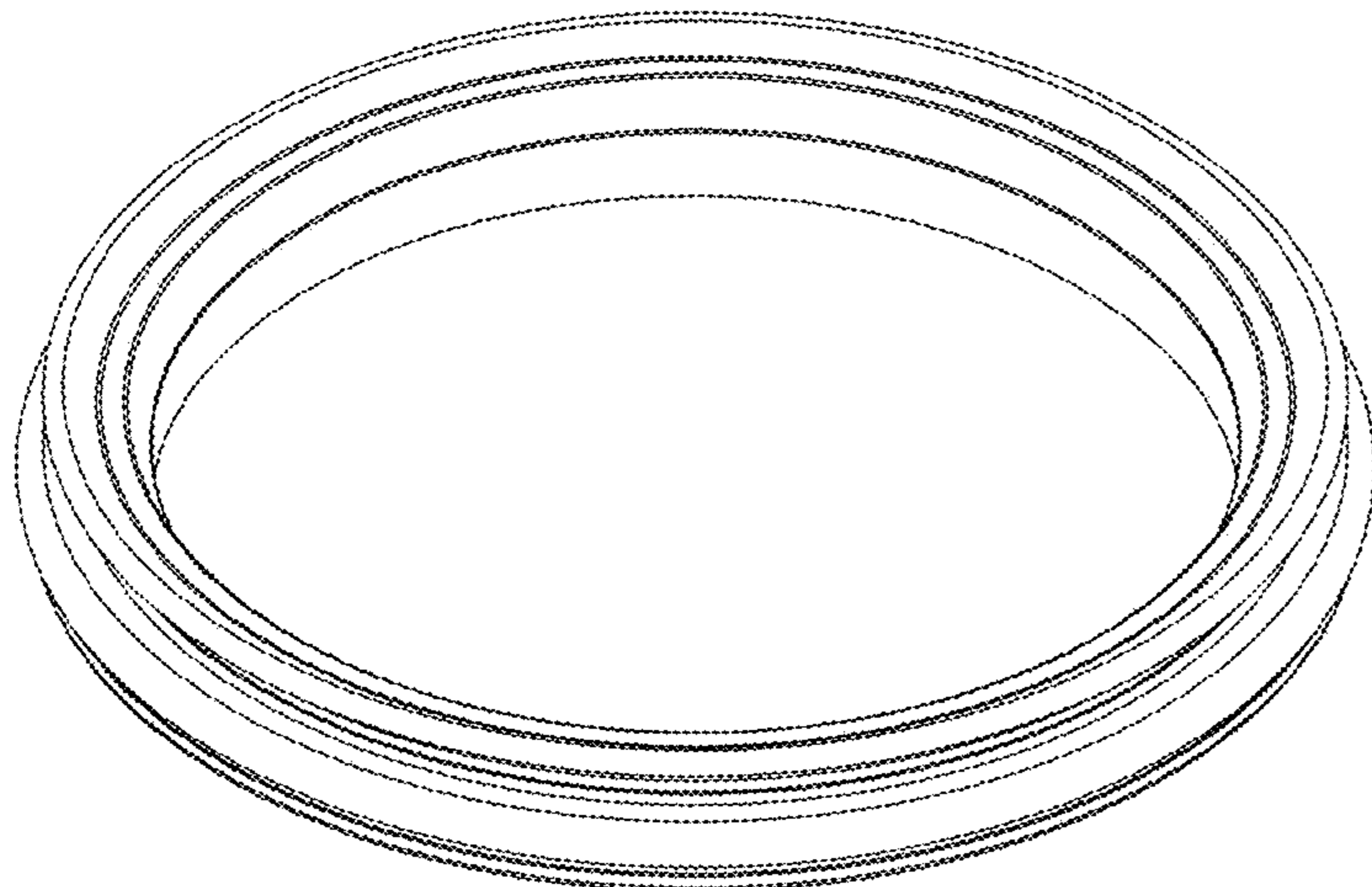
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(Continued)



The broken lines shown in Reproduction 1.10 are for the purposes of illustrating environmental structure and form no part of the claimed design.

1 Claim, 10 Drawing Sheets

(58) Field of Classification Search

CPC F16J 15/32; Y10T 428/215
See application file for complete search history.

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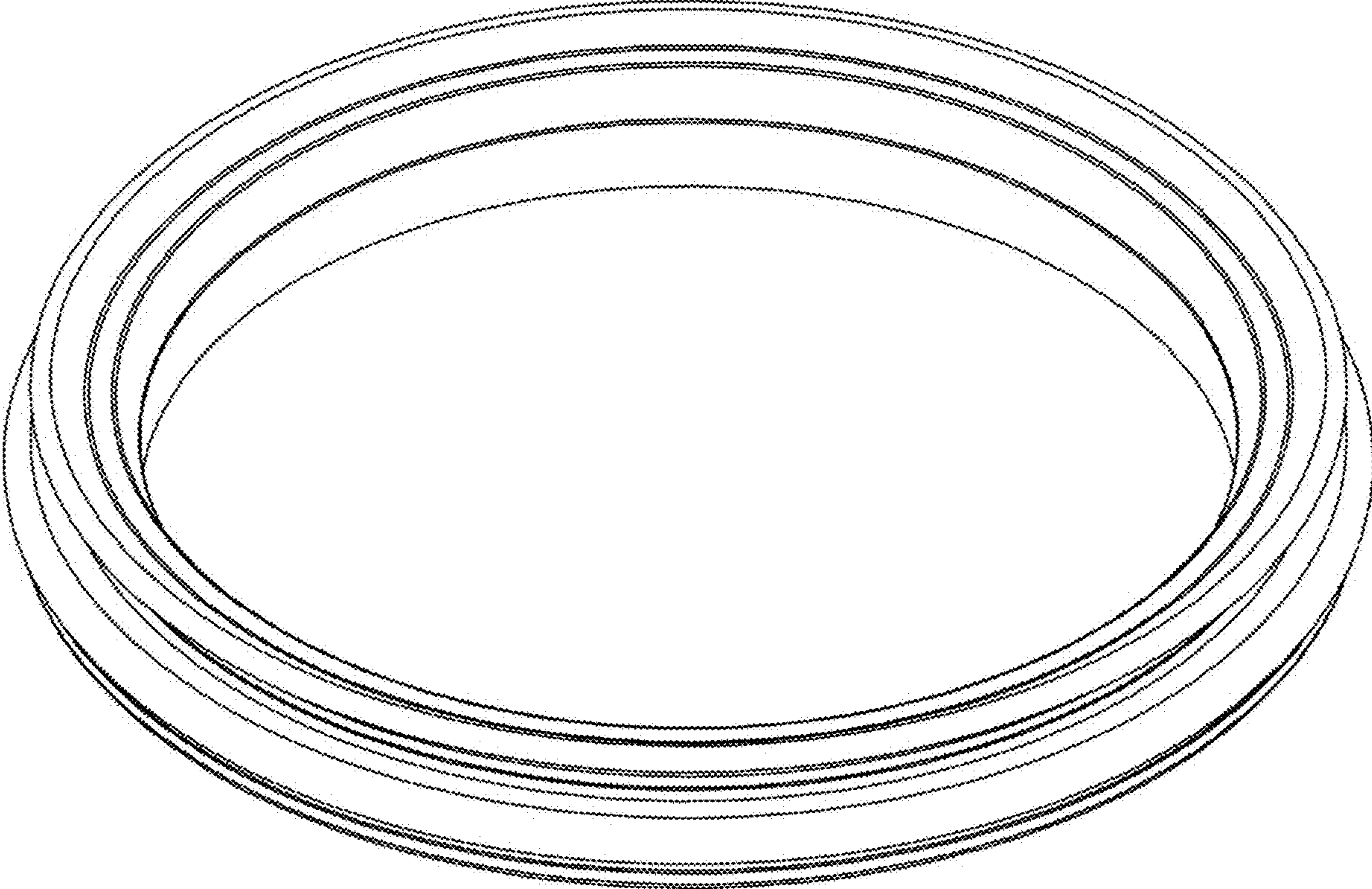
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1.1



1.2

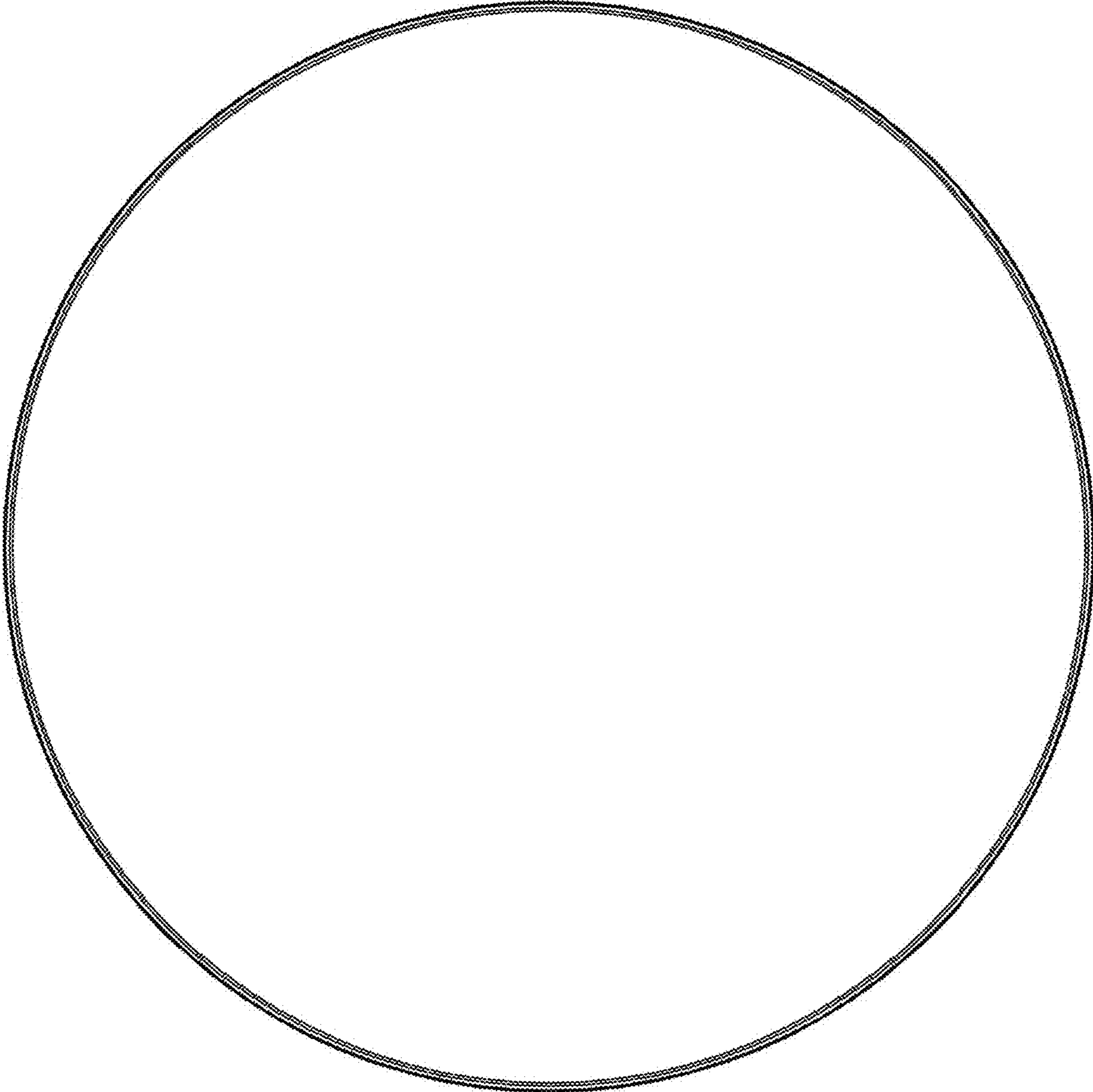
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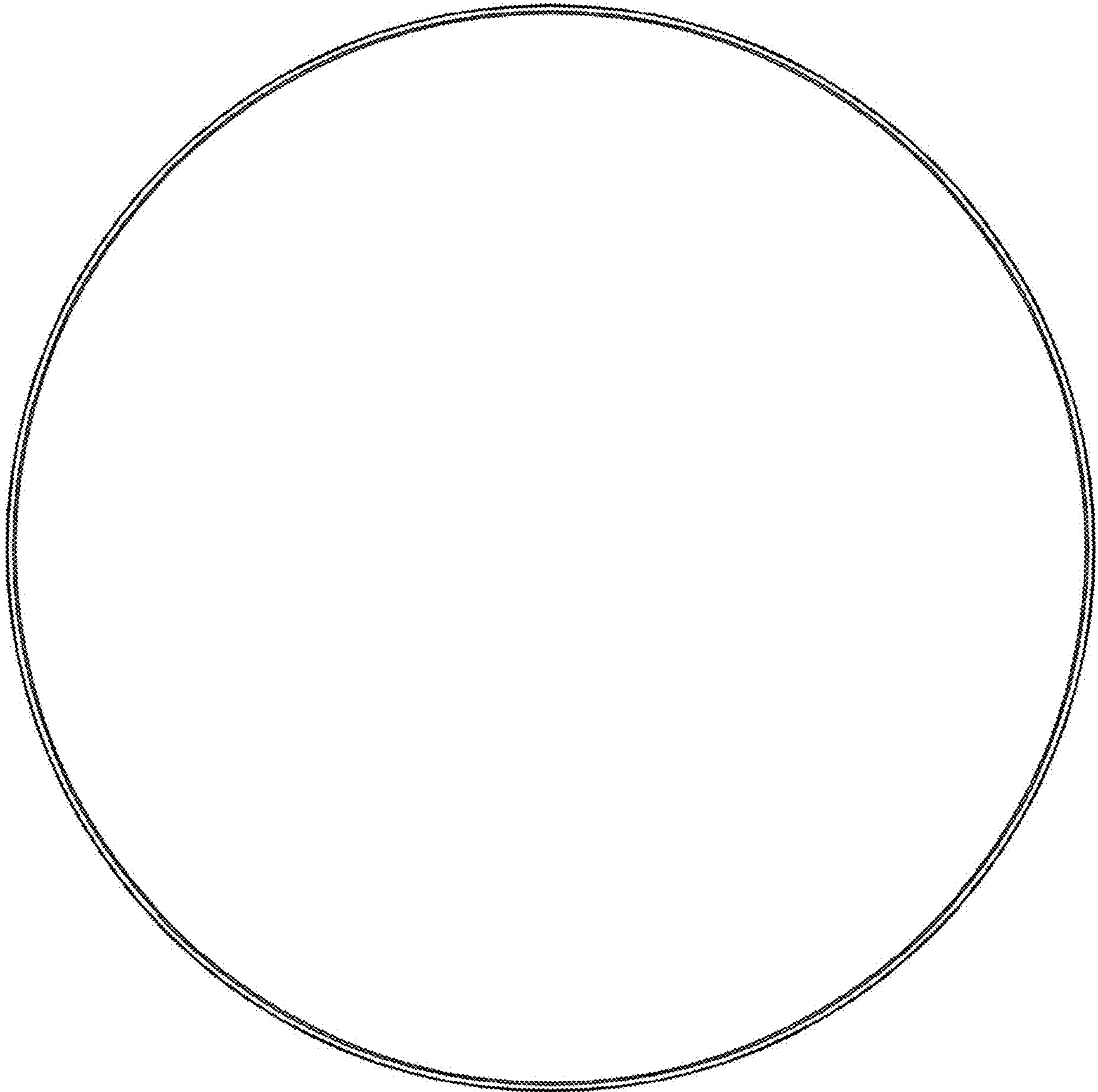
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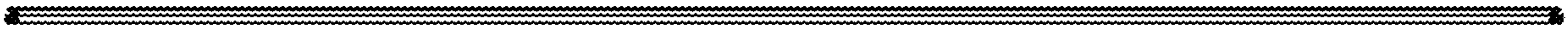
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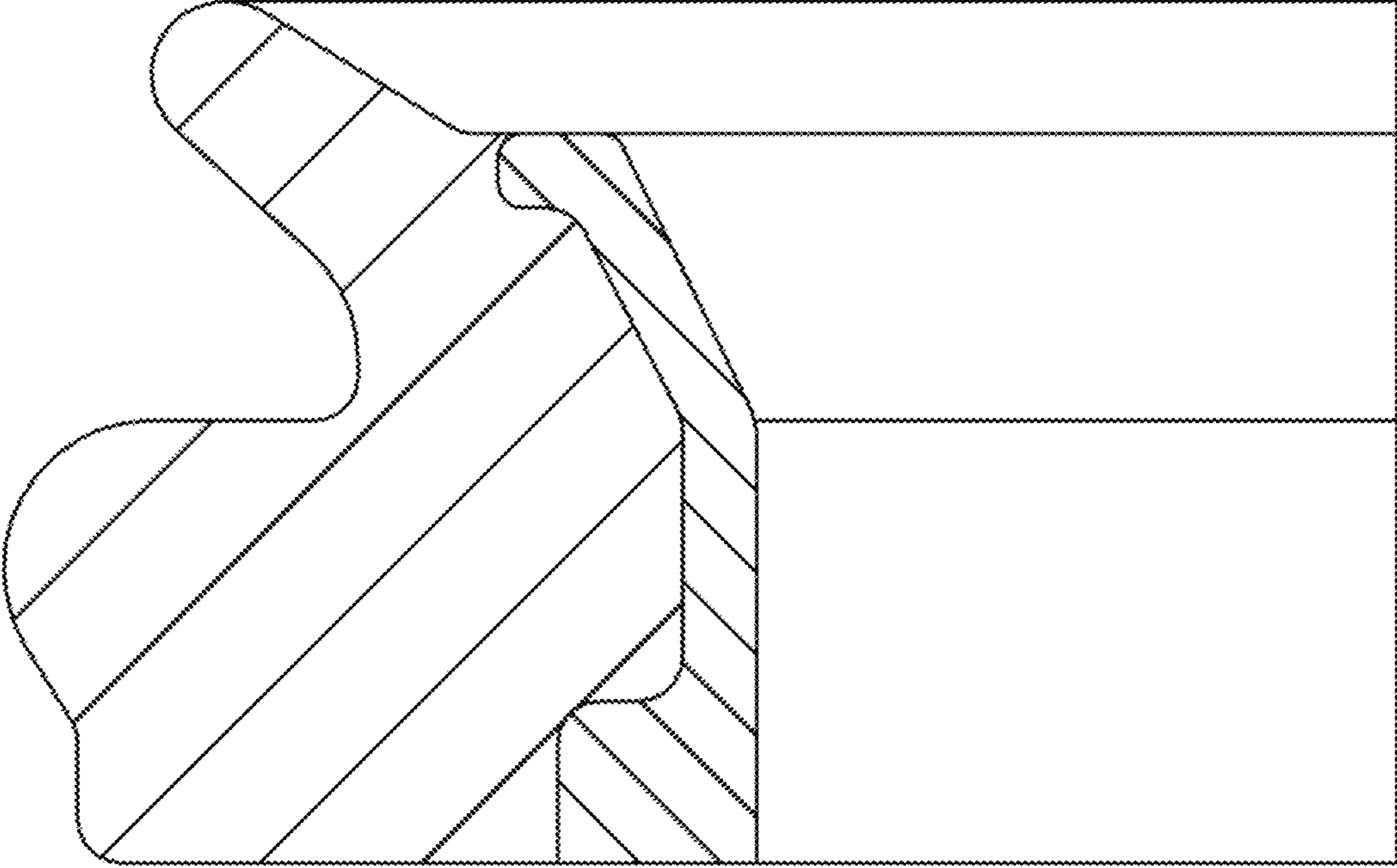
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1.8



1.9



1.10

