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

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(54) **COMPOSITE SUBSTRATE FOR ACOUSTIC WAVE DEVICE**

(56) **References Cited**

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Dec. 17, 2014	(JP)	2014-028115
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Dec. 17, 2014	(JP)	2014-028117
Dec. 17, 2014	(JP)	2014-028118
Dec. 17, 2014	(JP)	2014-028119
Dec. 17, 2014	(JP)	2014-028120

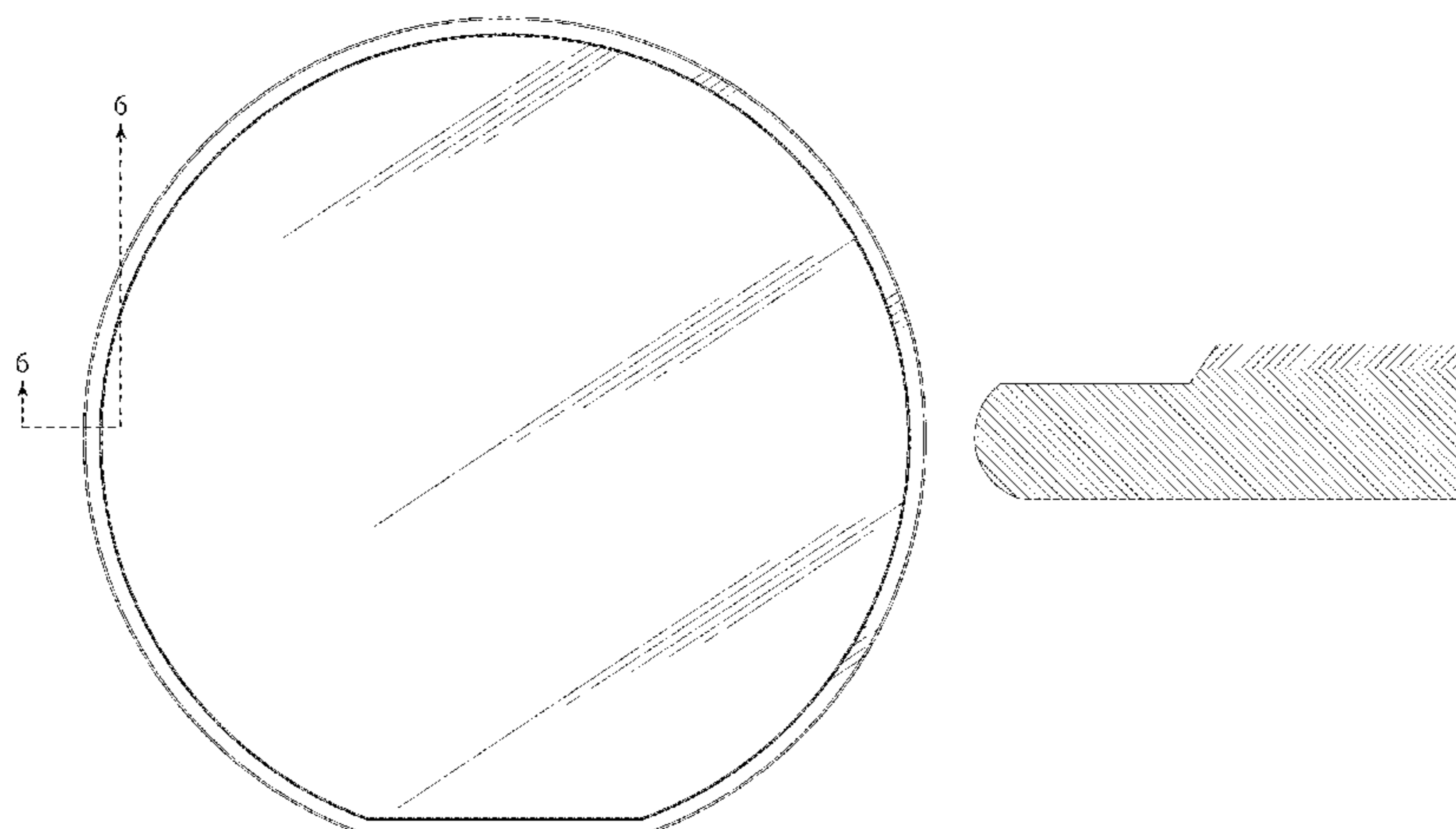
(51) **LOC (11) Cl.** ..... **05-06**

(52) **U.S. Cl.**  
USPC ..... **D5/99**

(58) **Field of Classification Search**  
USPC ..... D5/4, 5, 7, 8, 10, 14, 16, 20, 22, 26, 32, D5/36, 40, 41, 43-45, 47, 56-63, 53, 1, D5/3; D6/582, 584, 587, 588, 592; D25/138, 149, 151; D32/40; 310/313 R, 310/313 A; D13/102, 117, 179, 180, 182  
CPC . B32B 5/024; B32B 5/266; B44F 1/00; B44F 1/08; B44F 3/00; B44F 5/00; B44F 9/00; B44F 9/02; B44F 9/04; B44F 11/06; D03D 1/00; D04H 1/00; D03D 25/00; D10B 2503/00; D21F 1/12; D21F 1/0054  
See application file for complete search history.

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*Primary Examiner* — Karen S Acker  
(74) *Attorney, Agent, or Firm* — Cermak Nakajima & McGowan LLP; Tomoko Nakajima

(57) CLAIM

The ornamental design for a composite substrate for acoustic wave device, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a first embodiment of a composite substrate for acoustic wave device showing our new design; FIG. 2 is a back view thereof; FIG. 3 is a top view thereof; FIG. 4 is a bottom view thereof; FIG. 5 is a right view thereof; a left view thereof being a right-and-left-reversed image; FIG. 6 is an enlarged cross-sectional view of the edge portion indicated by line 6-6 in FIG. 1; FIG. 7 is a front view of a second embodiment of a composite substrate for acoustic wave device showing our new design; FIG. 8 is a back view thereof; FIG. 9 is a top view thereof; FIG. 10 is a bottom view thereof; FIG. 11 is a right view thereof; a left view thereof being a right-and-left-reversed image; FIG. 12 is an enlarged cross-sectional view of the edge portion indicated by line 12-12 in FIG. 7; FIG. 13 is a front view of a third embodiment of a composite substrate for acoustic wave device showing our new design; FIG. 14 is a back view thereof; FIG. 15 is a top view thereof; FIG. 16 is a bottom view thereof; FIG. 17 is a right view thereof; a left view thereof being a right-and-left-reversed image; FIG. 18 is an enlarged cross-sectional view of the edge portion indicated by line 18-18 in FIG. 13; FIG. 19 is a front view of a fourth embodiment of a composite substrate for acoustic wave device showing our new design; FIG. 20 is a back view thereof; FIG. 21 is a top view thereof; FIG. 22 is a bottom view thereof; FIG. 23 is a right view thereof; a left view thereof being a right-and-left-reversed image; FIG. 24 is an enlarged cross-sectional view of the edge portion indicated by line 24-24 in FIG. 19; FIG. 25 is a front view of a fifth embodiment of a composite substrate s for acoustic wave device showing our new design; FIG. 26 is a back view thereof; FIG. 27 is a top view thereof;

FIG. 28 is a bottom view thereof;  
FIG. 29 is a right view thereof; a left view thereof being a right-and-left-reversed image;  
FIG. 30 is an enlarged cross-sectional view of the edge portion indicated by line 30-30 in FIG. 25;  
FIG. 31 is a front view of a sixth embodiment of a composite substrate for acoustic wave device showing our new design;  
FIG. 32 is a back view thereof;  
FIG. 33 is a top view thereof;  
FIG. 34 is a bottom view thereof;  
FIG. 35 is a right view thereof; a left view thereof being a right-and-left-reversed image;  
FIG. 36 is an enlarged cross-sectional view of the edge portion indicated by line 36-36 in FIG. 31;  
FIG. 37 is a front view of a seventh embodiment of a composite substrate for acoustic wave device showing our new design;  
FIG. 38 is a back view thereof;  
FIG. 39 is a top view thereof;  
FIG. 40 is a bottom view thereof;  
FIG. 41 is a right view thereof; a left view thereof being a right-and-left-reversed image; and,  
FIG. 42 is an enlarged cross-sectional view of the edge portion indicated by line 42-42 in FIG. 37.

**1 Claim, 42 Drawing Sheets**

FIG. 1

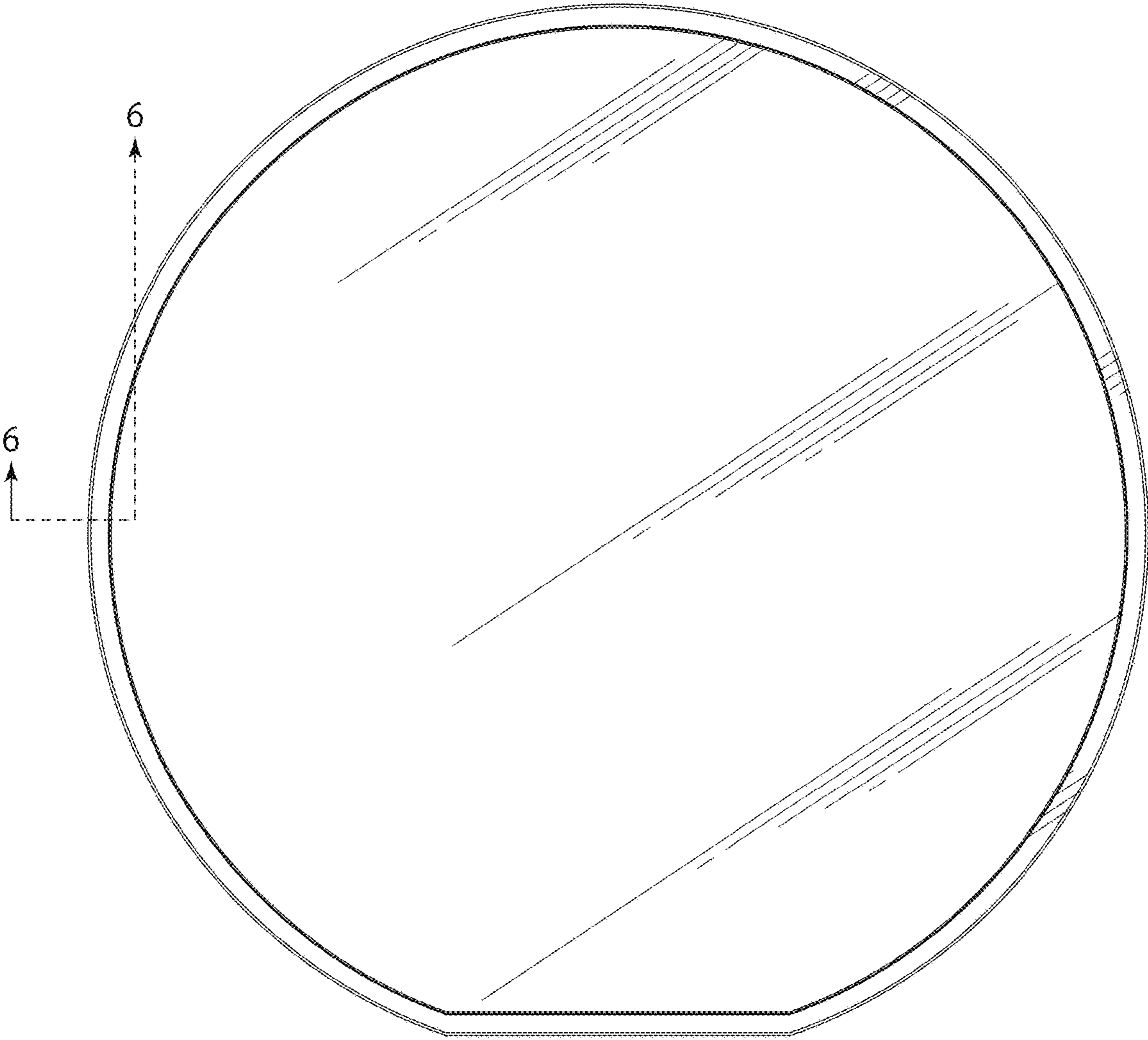


FIG. 2

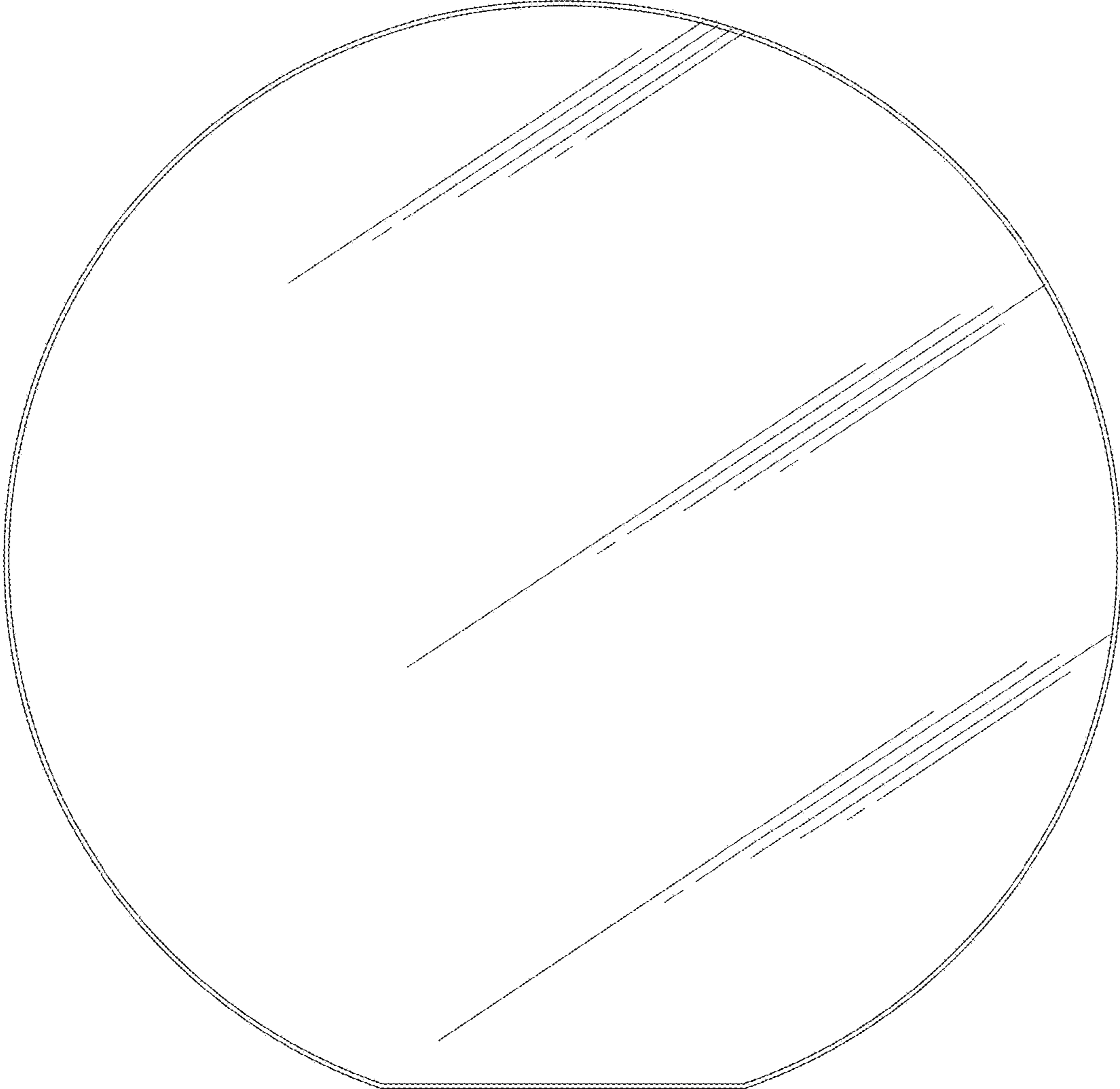


FIG. 3

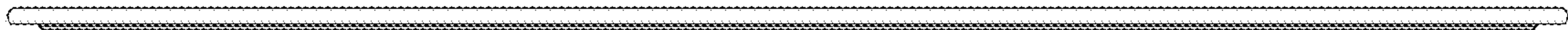
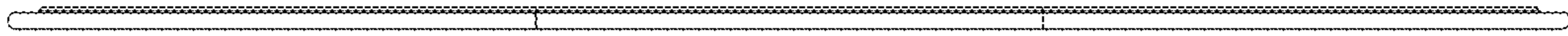


FIG.4



# FIG. 5





FIG.6

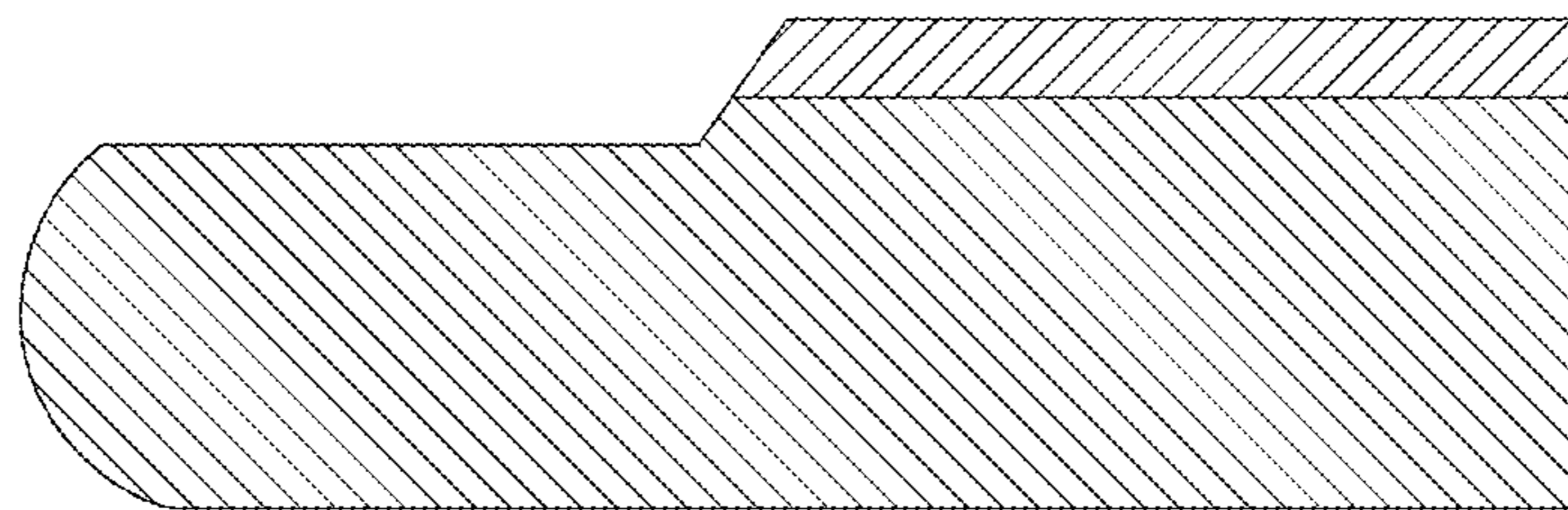


FIG. 7

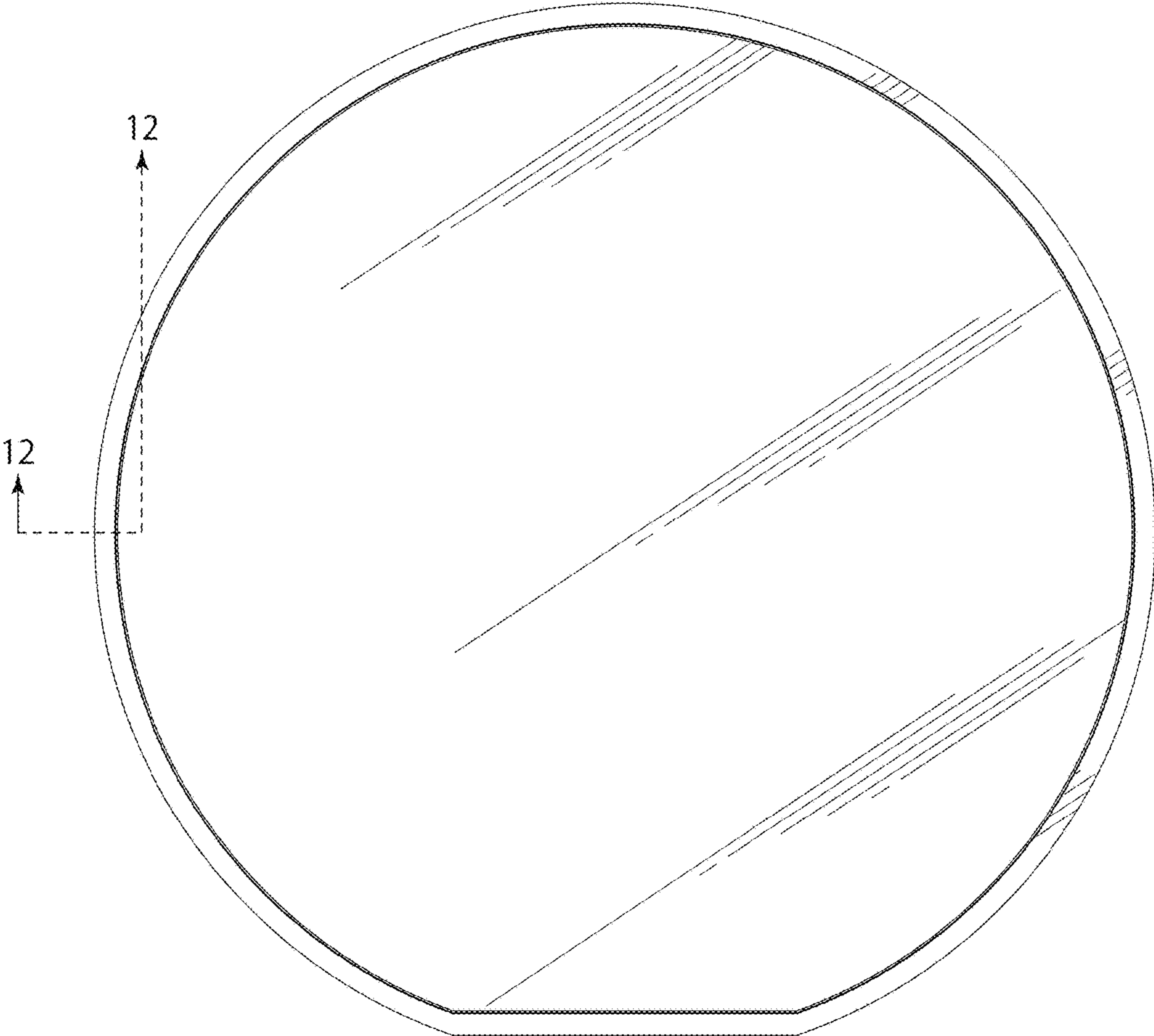


FIG. 8

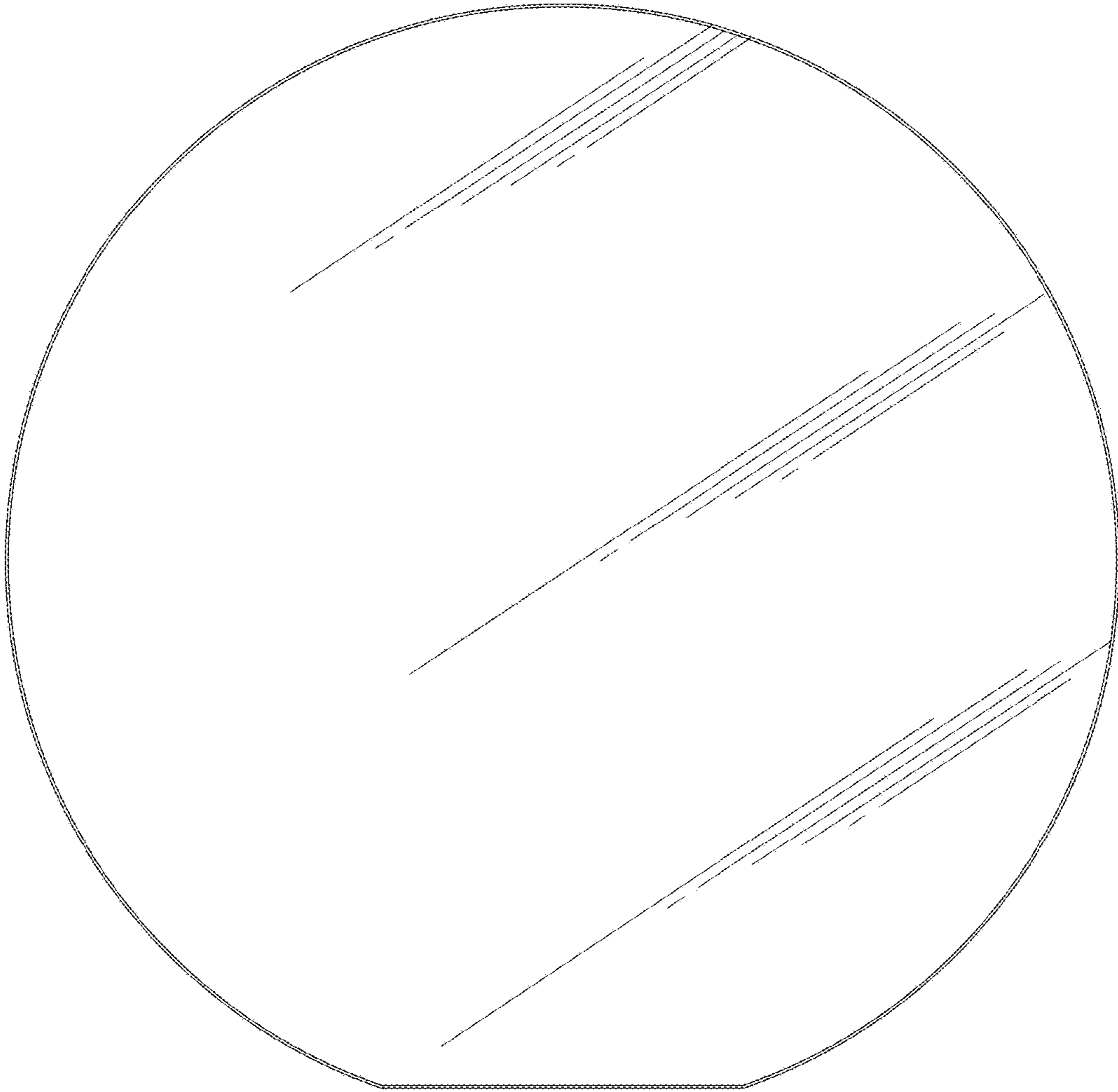


FIG. 9

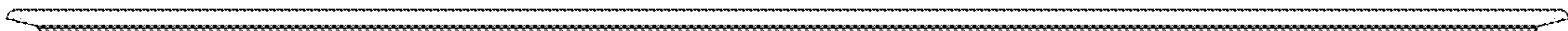


FIG. 10

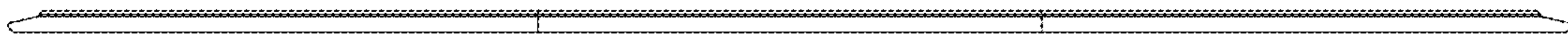


FIG. 11



FIG. 12

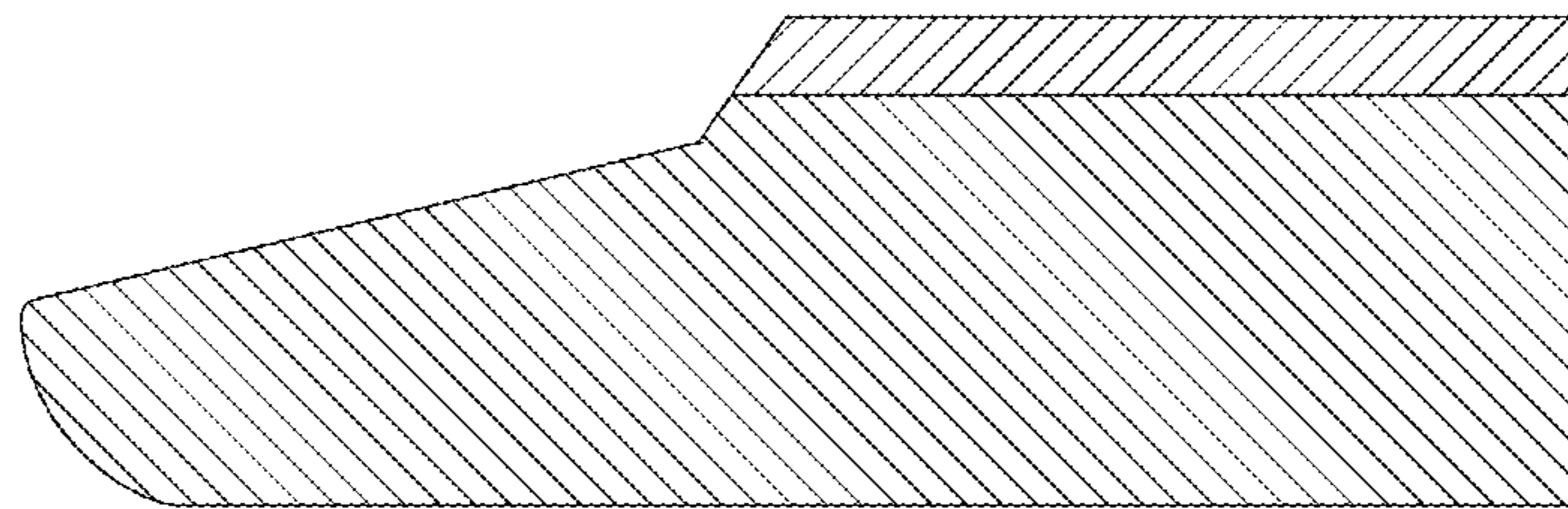


FIG. 13

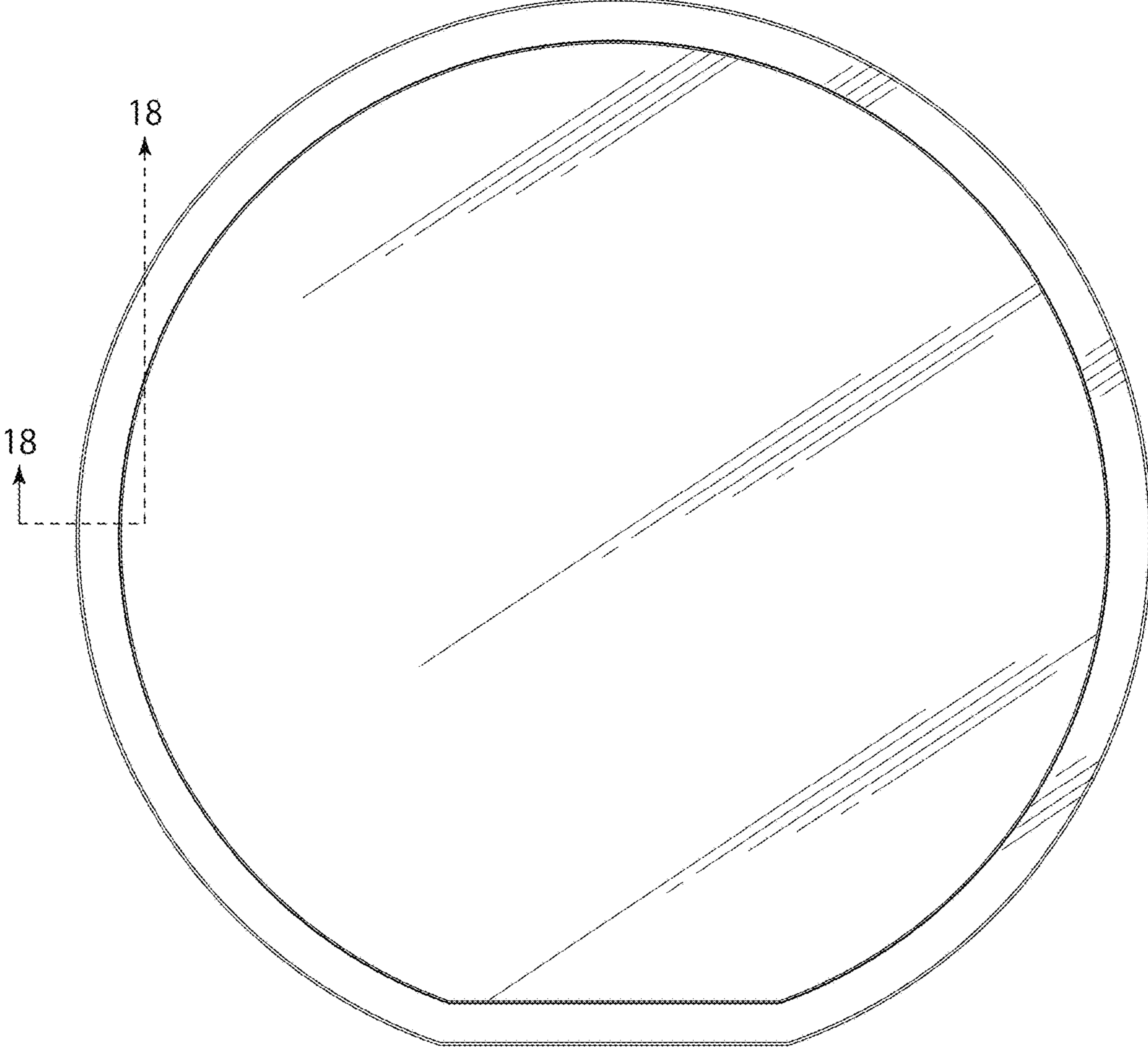




FIG. 14

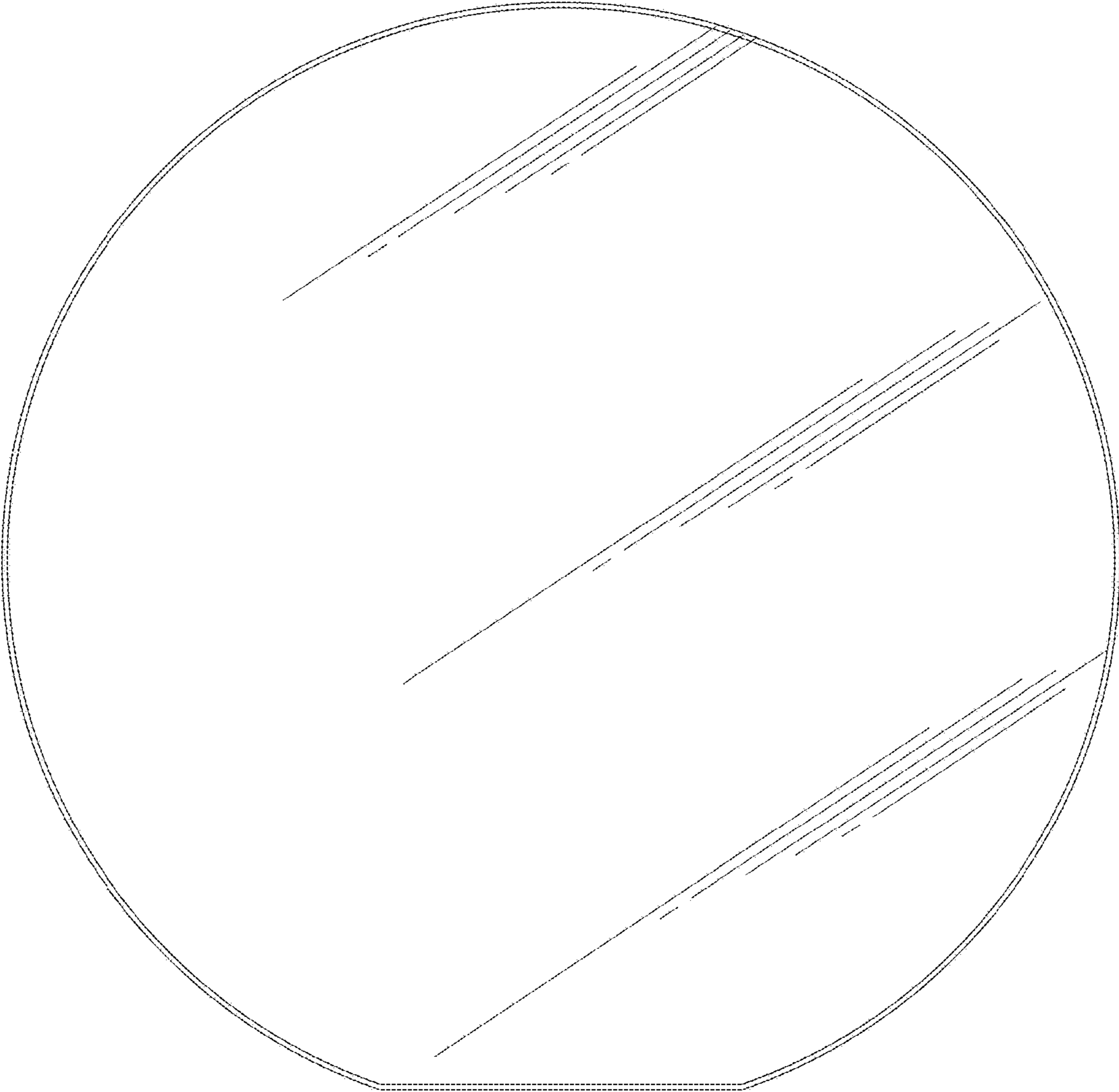


FIG. 15

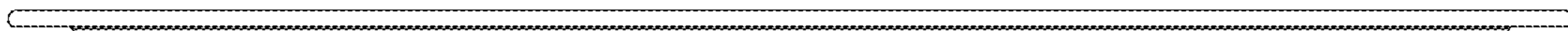


FIG. 16

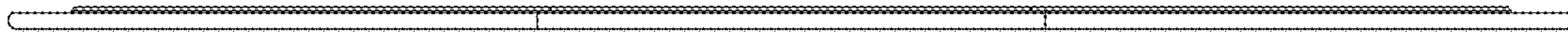


FIG. 17



FIG. 18

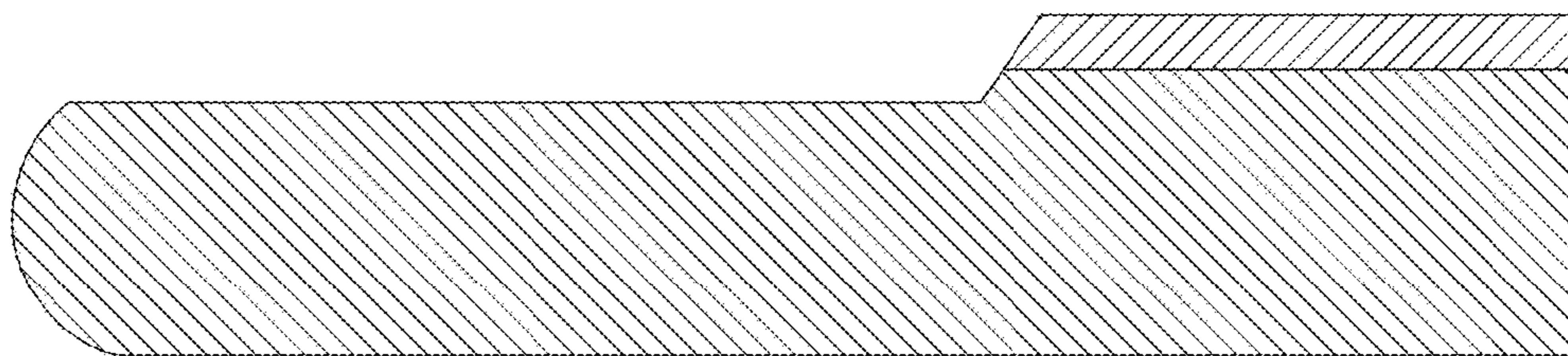


FIG. 19

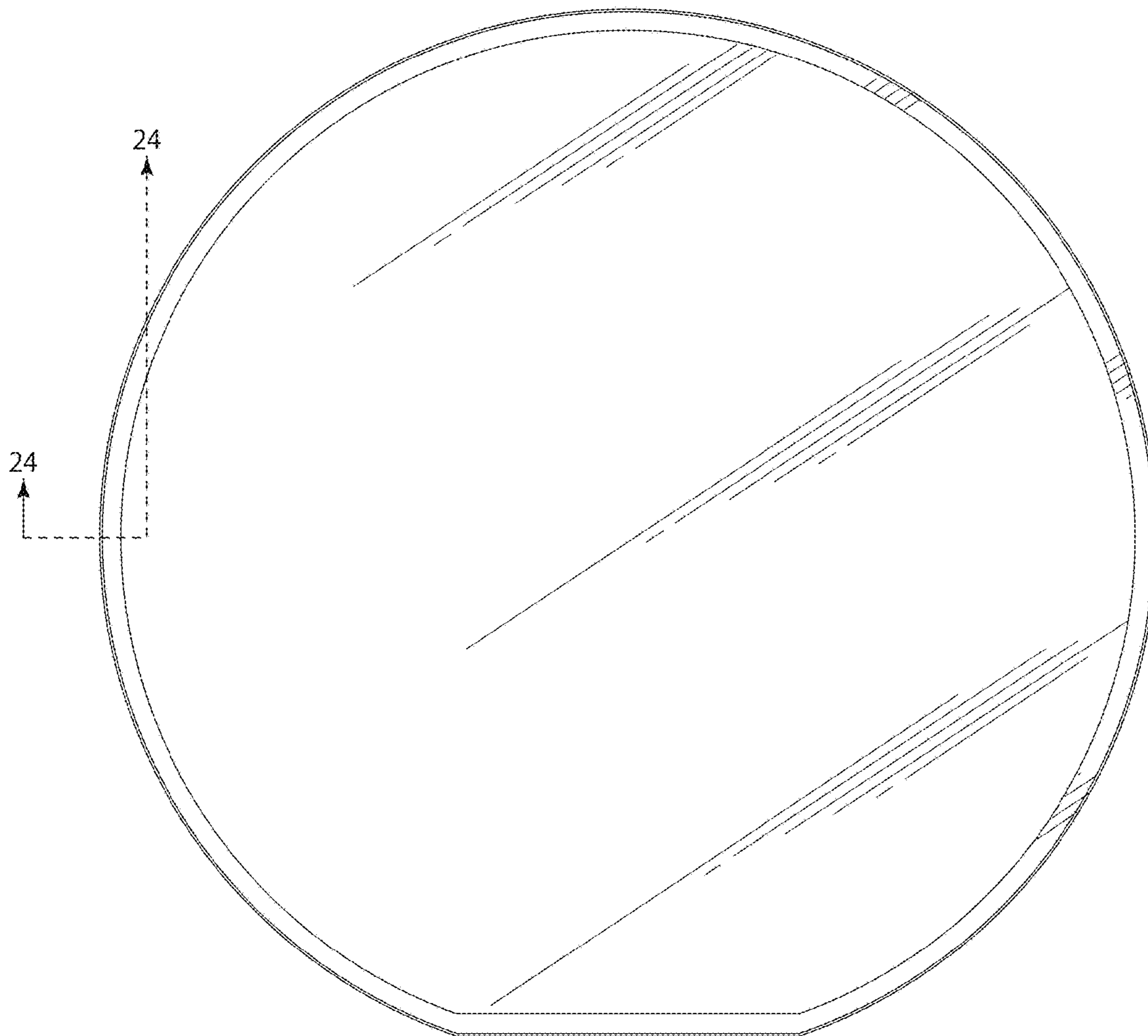


FIG. 20

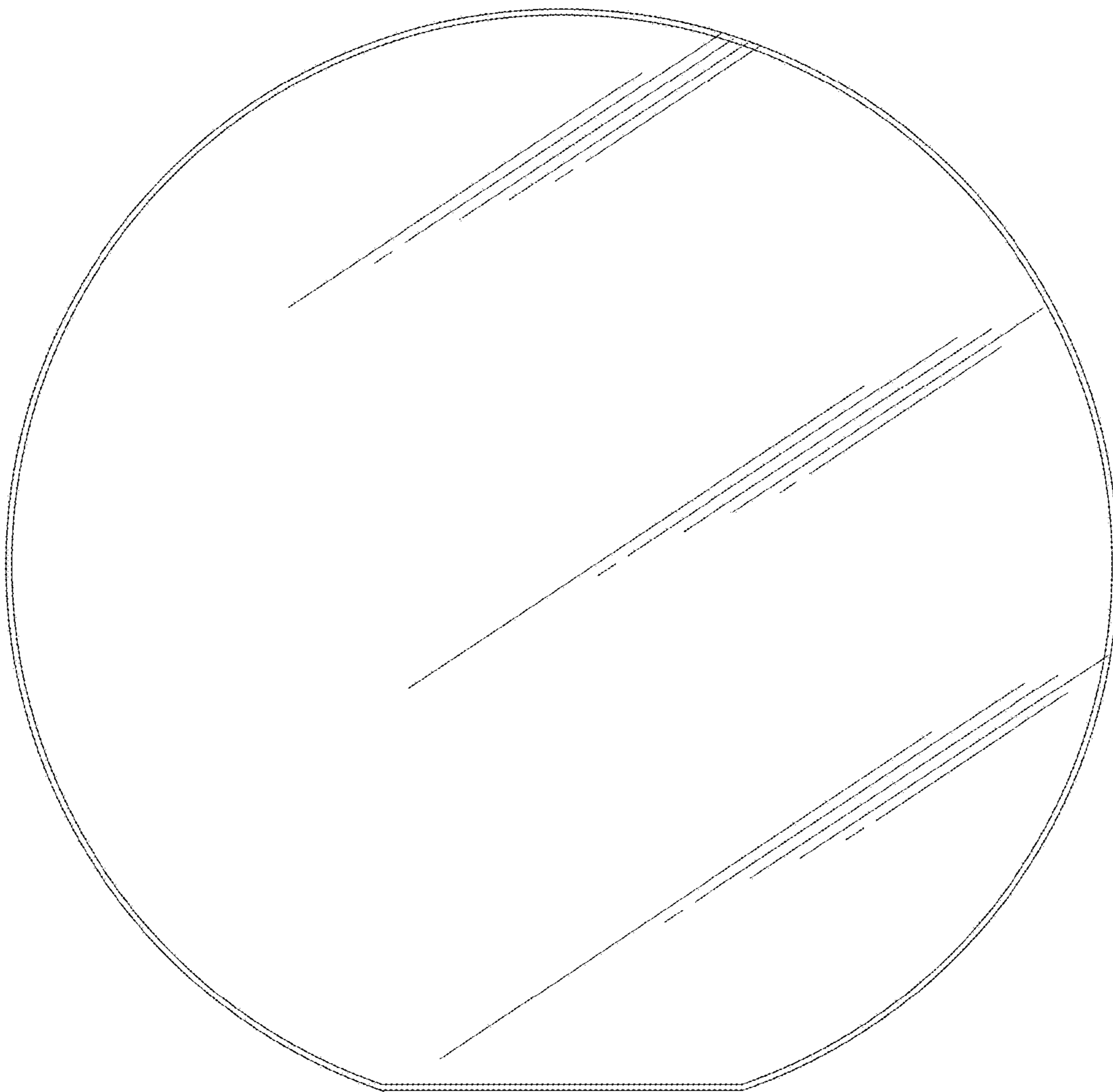


FIG. 21

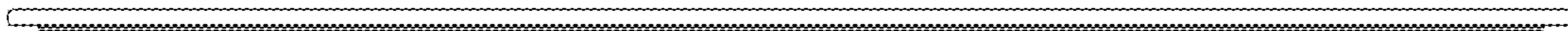




FIG. 22

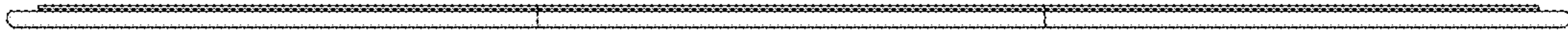


FIG. 23



FIG. 24

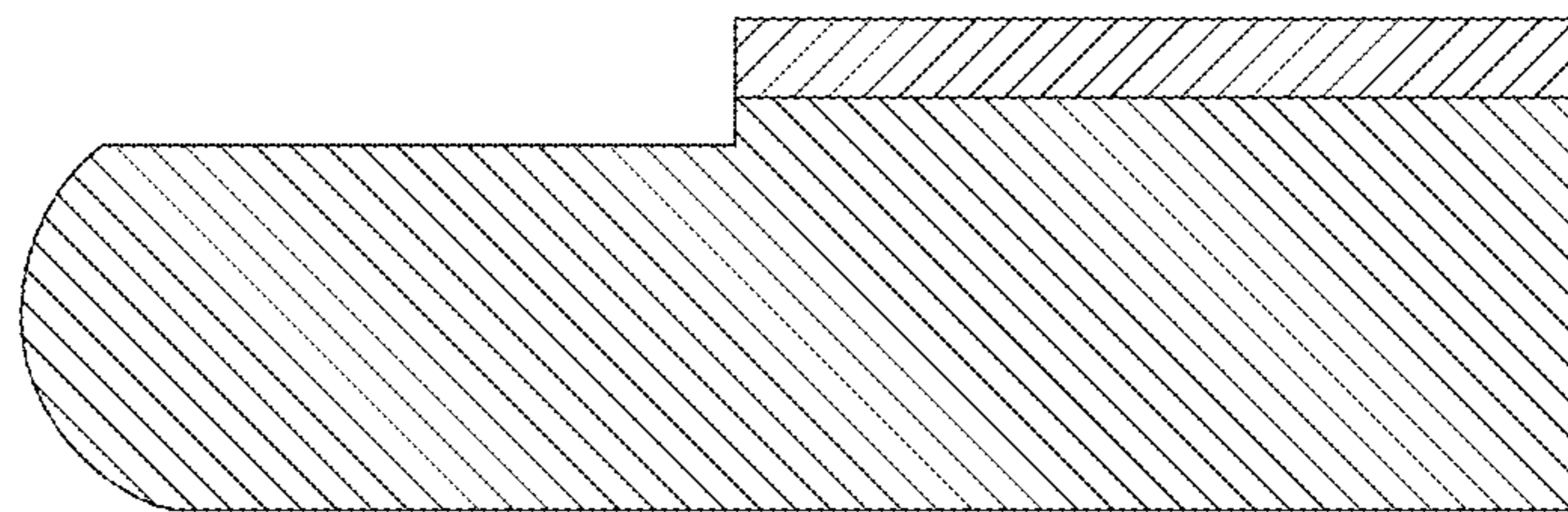


FIG. 25

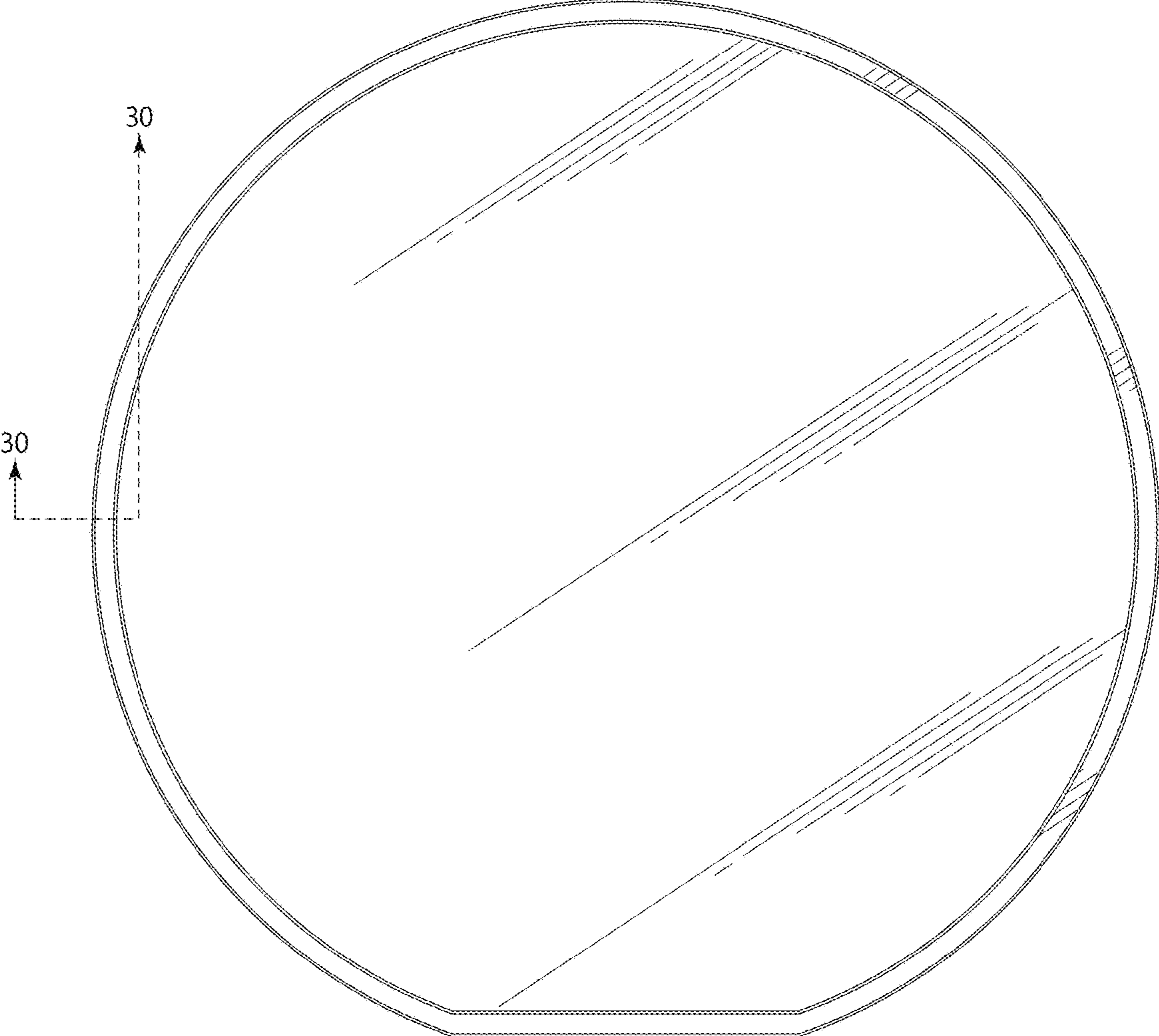


FIG.26

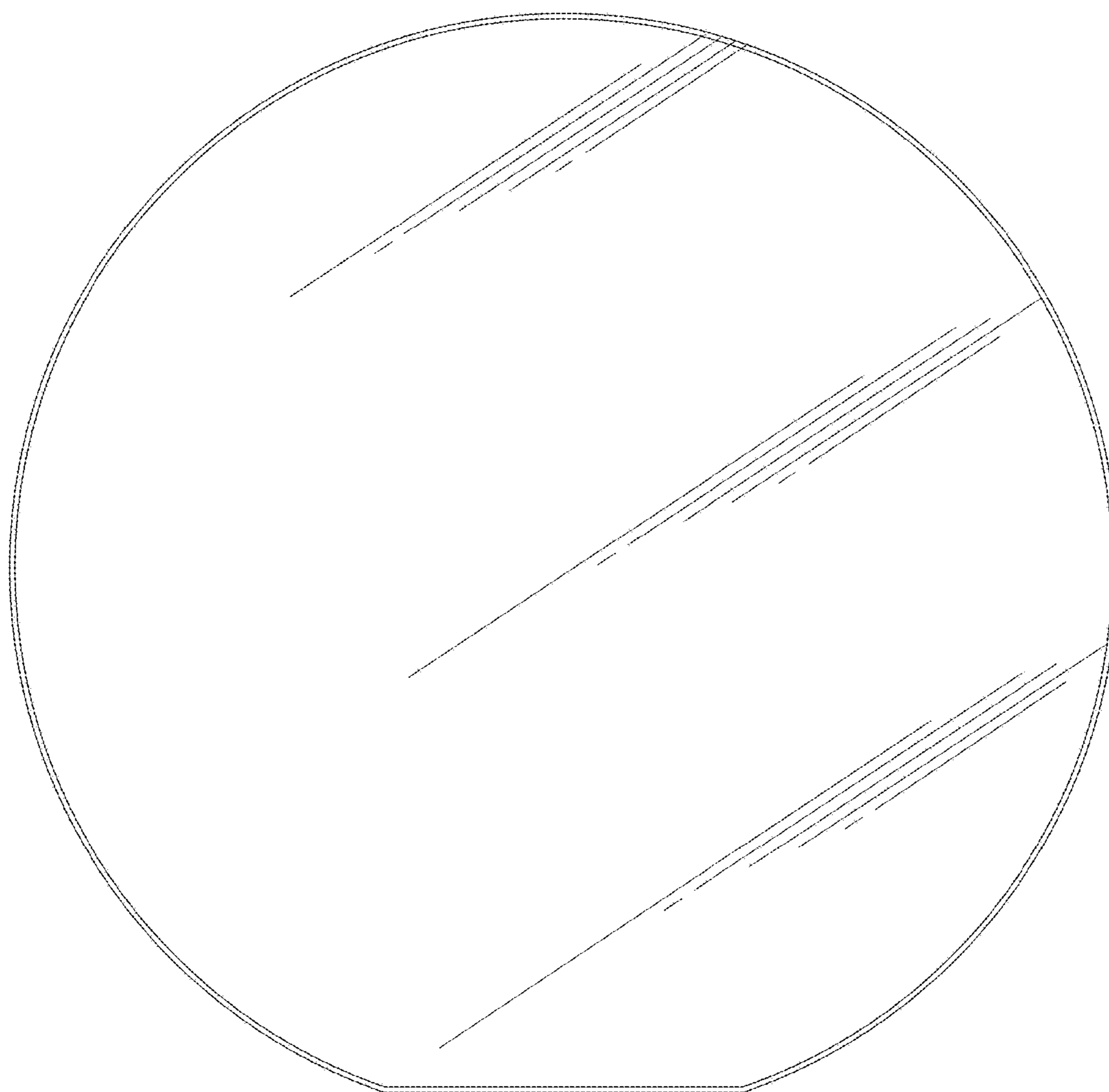


FIG. 27

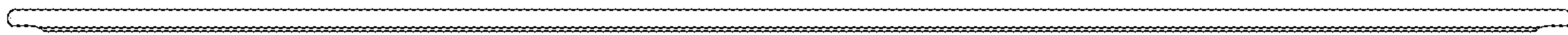
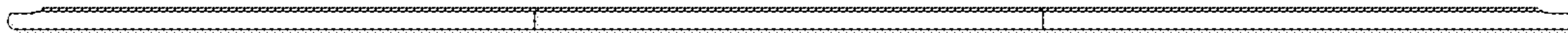


FIG.28



# FIG. 29

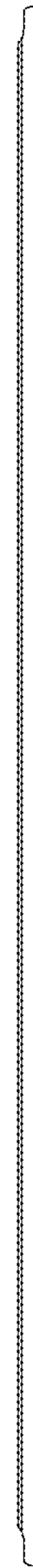




FIG. 30

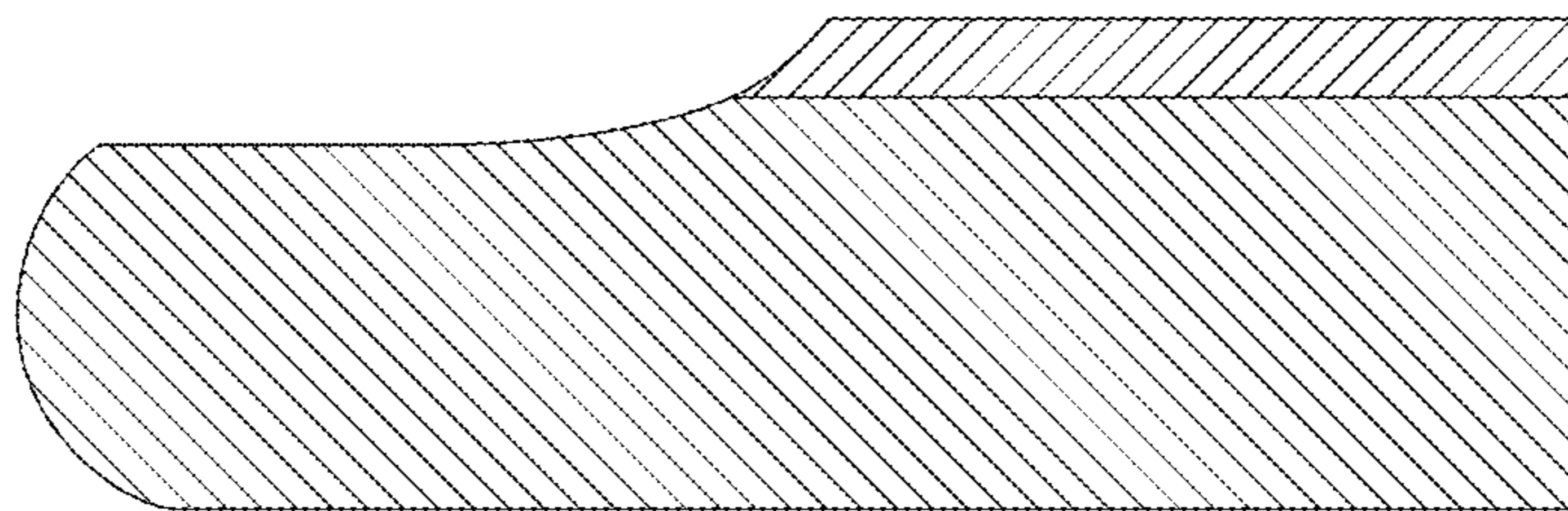


FIG.31

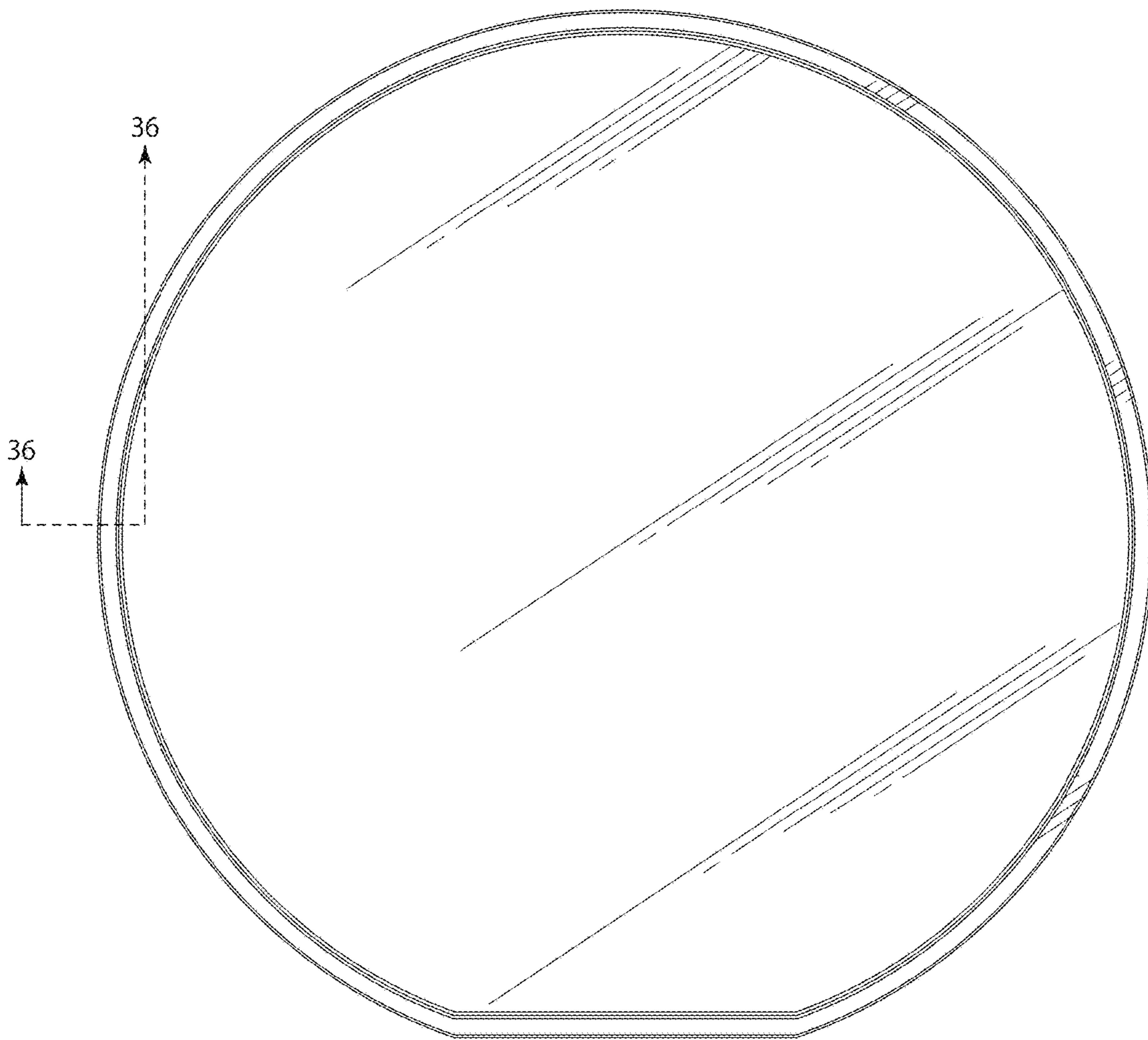


FIG. 32

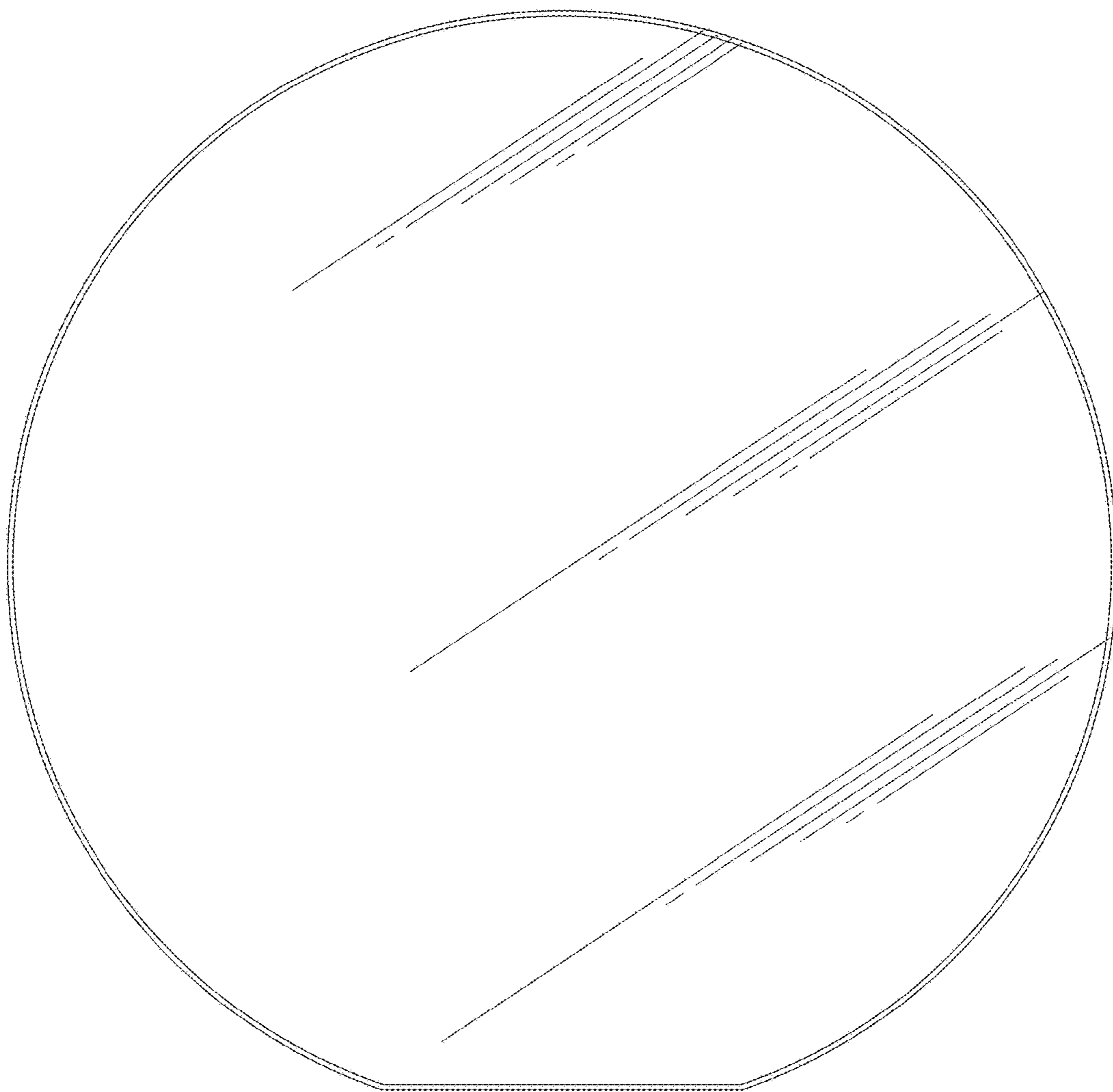


FIG. 33

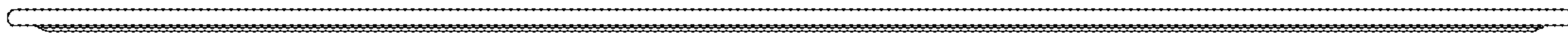
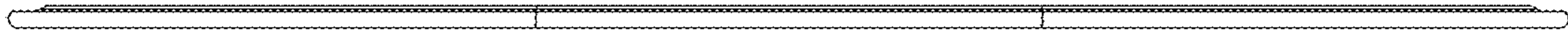


FIG.34



# FIG. 35

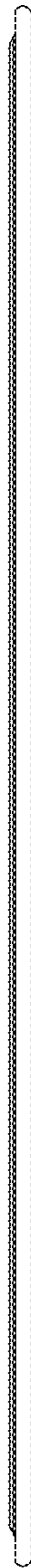


FIG. 36

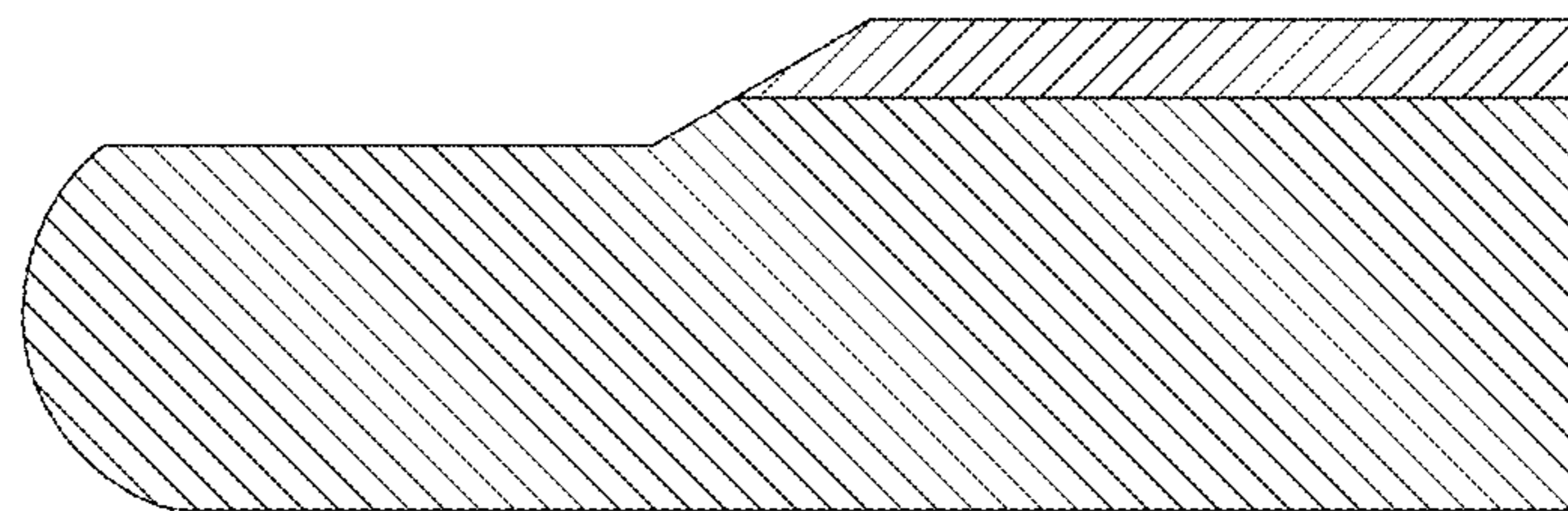


FIG. 37

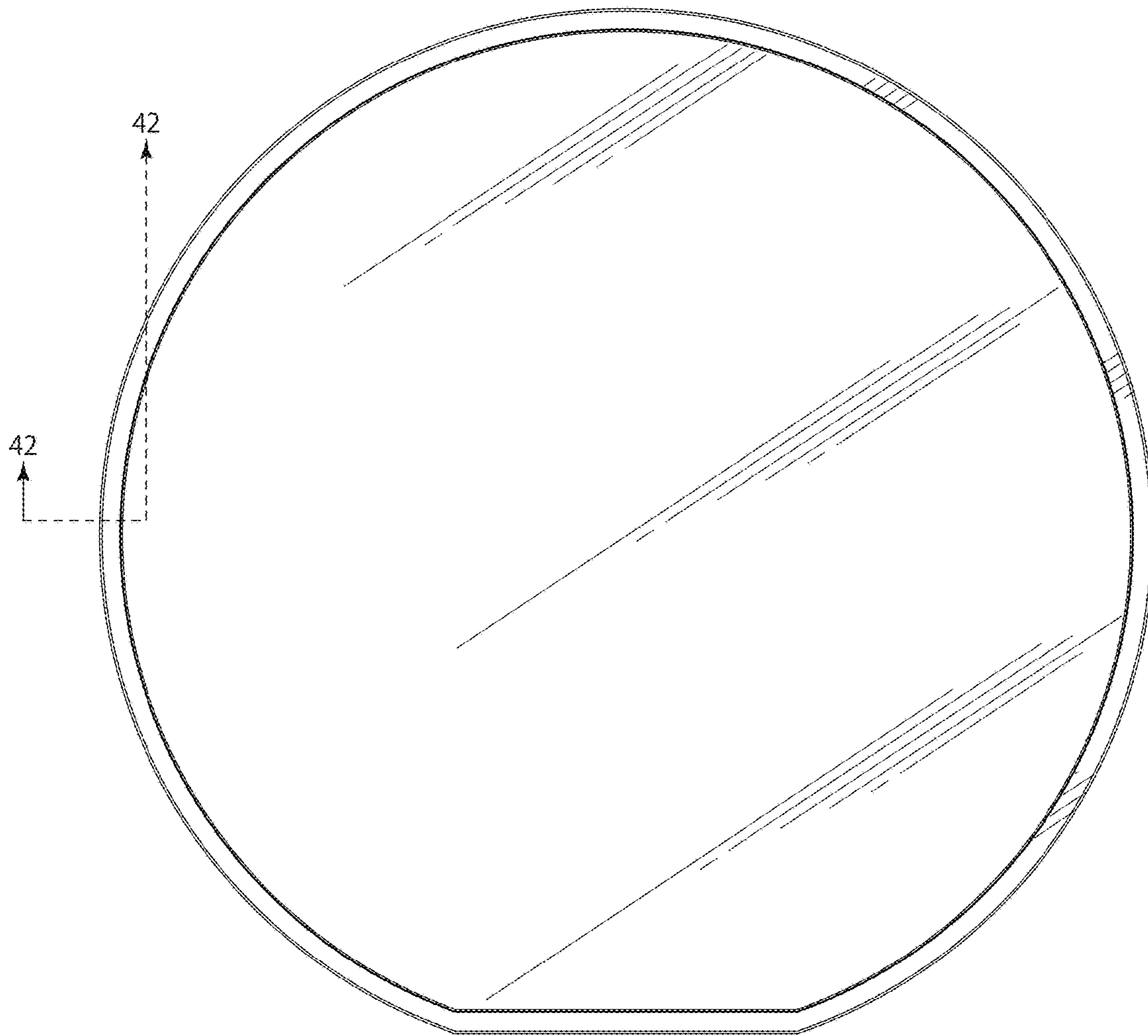




FIG. 38

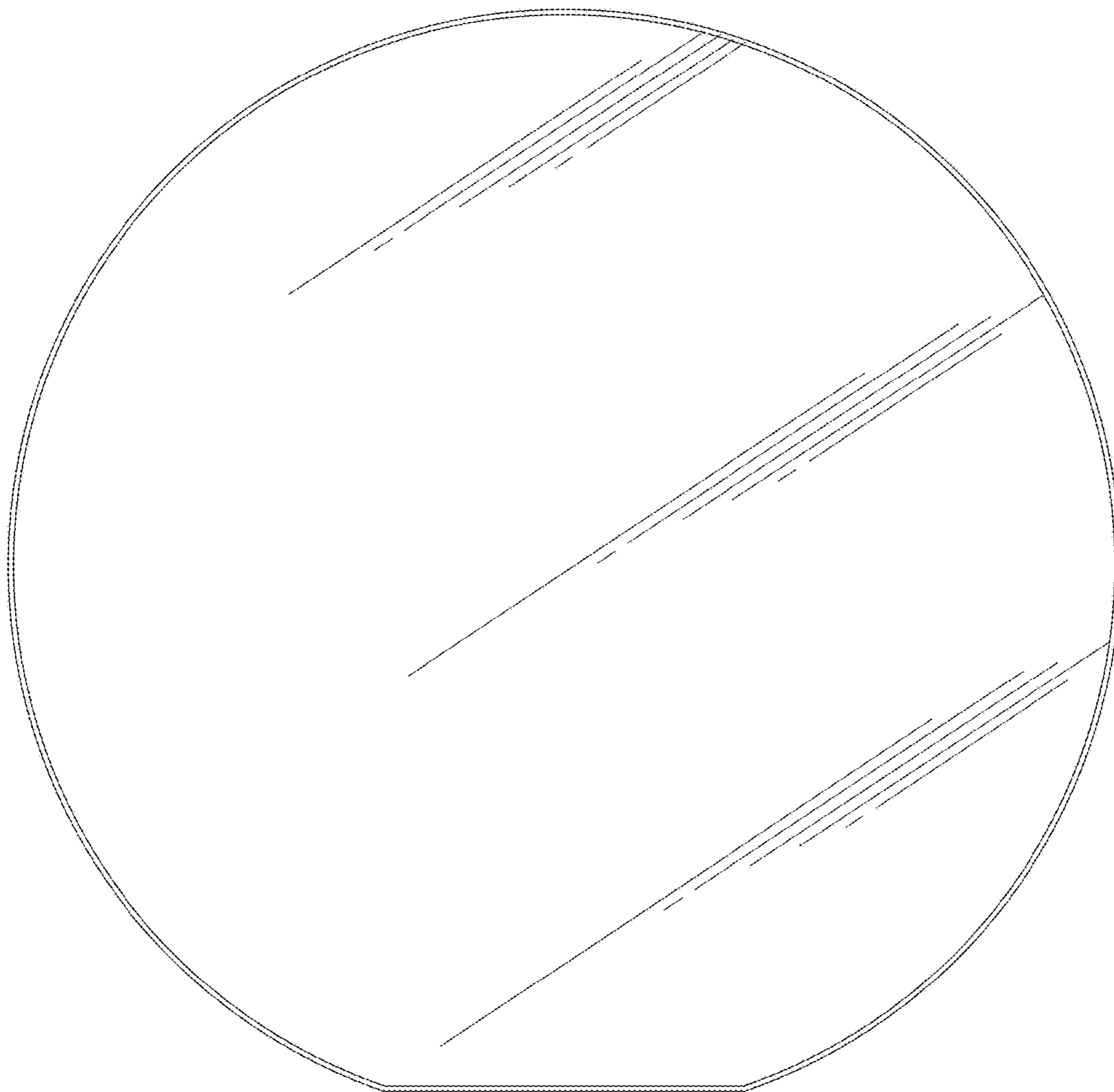


FIG. 39

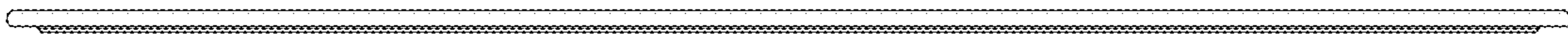


FIG. 40

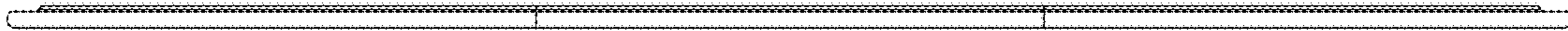


FIG. 41



FIG. 42

