



US00D850503S

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

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(45) **Date of Patent: ** Jun. 4, 2019**

(54) **INSERT USED FOR A CUTTING TOOL**

B25D 2211/003; B25D 16/00; E21B
10/52;

(Continued)

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(56)

References Cited

U.S. PATENT DOCUMENTS

5,178,645 A * 1/1993 Nakamura B23B 27/145
407/119
5,456,557 A * 10/1995 Bernadic B23B 27/143
407/114

(Continued)

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FOREIGN PATENT DOCUMENTS

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Industries, Ltd., Osaka-shi (JP)

JP D1474138 7/2013
JP D1474303 7/2013

OTHER PUBLICATIONS

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

“30pcs CNMG 431 + WNMG 431 + TNMG 331 CNC Lathe
Indexable Solid Carbide Turning Insert Blade for Lathe Turning
Tool Holder”. [online]. ASZLBYM. [Retrieved on Dec. 3, 2018].
Retrieved from the Internet: <[https://www.amazon.com/dp/
B07G386Y3B](https://www.amazon.com/dp/B07G386Y3B)>.*

(Continued)

(21) Appl. No.: **29/564,772**

(22) Filed: **May 16, 2016**

(30) **Foreign Application Priority Data**

Nov. 17, 2015 (JP) 2015-025657

(51) **LOC (11) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/139**

(58) **Field of Classification Search**

USPC D8/16, 17, 18, 19, 20, 70, 90, 98;
D15/122, 123, 124, 125, 126, 127, 128,
D15/129, 130, 131, 132, 133, 134, 135,
D15/136, 137, 138, 139, 140, 141, 142,
D15/143

CPC B25D 3/00; B25D 17/02; B25D 2250/111;

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Assistant Examiner — Mojtaba Tehrani

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(57) **CLAIM**

The ornamental design for an insert used for a cutting tool,
as shown and described.

DESCRIPTION

FIG. 1 is a front view of an insert used for a cutting tool,
showing our new design;
FIG. 2 is a rear view thereof;
FIG. 3 is a top view thereof;
FIG. 4 is a bottom view thereof;
FIG. 5 is a right side view thereof;

(Continued)

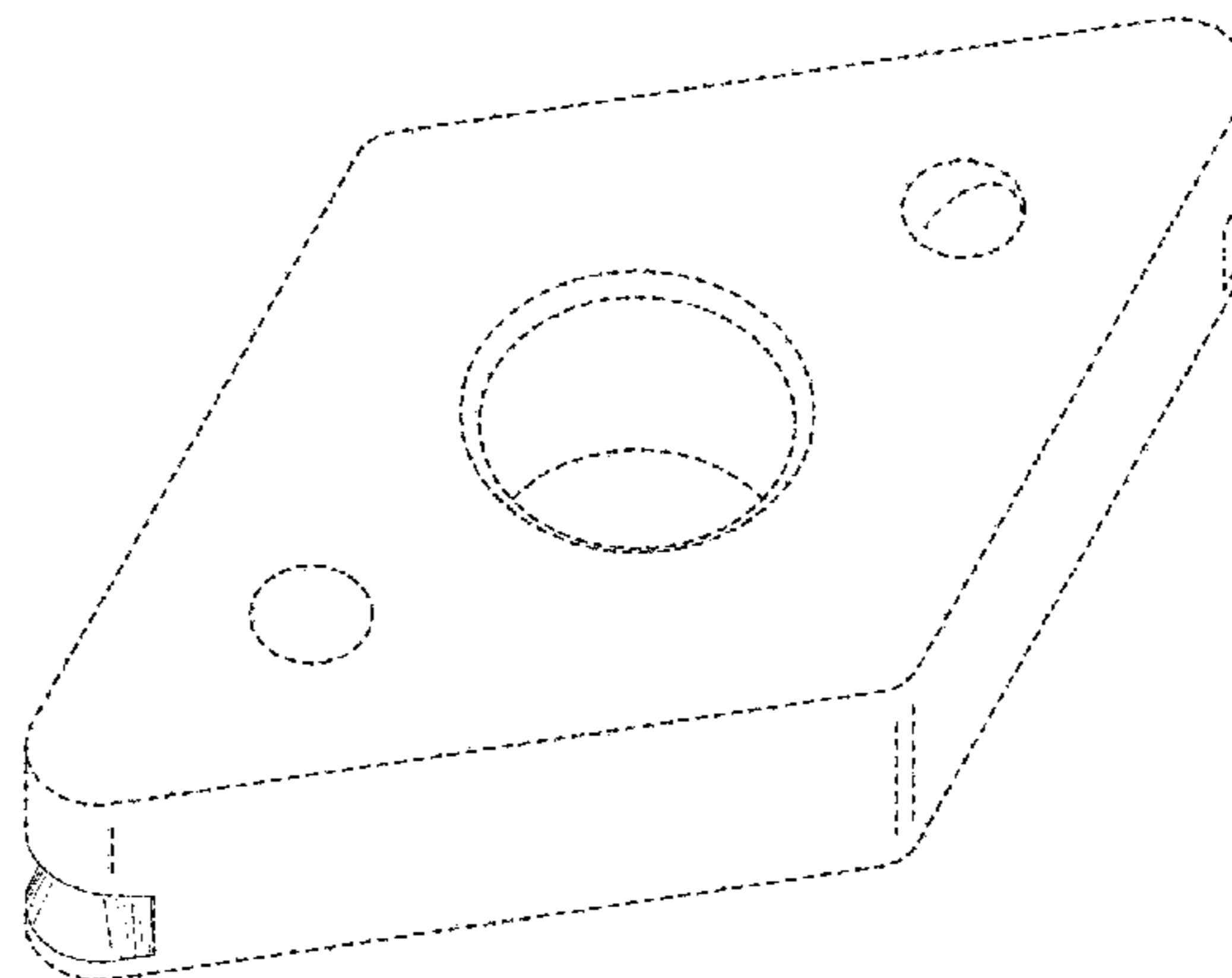
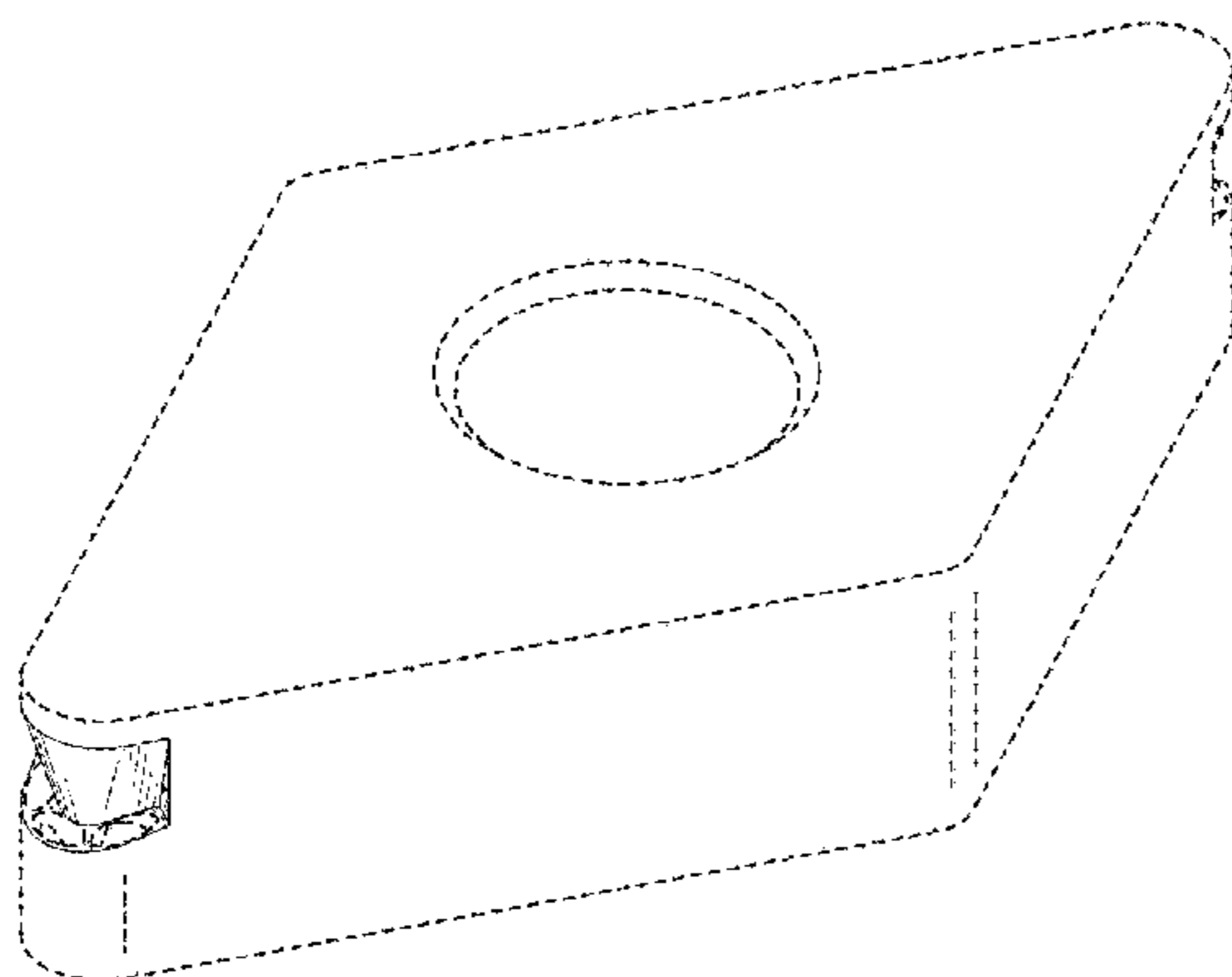


FIG. 6 is a left side view thereof;
 FIG. 7 is a perspective view 1 thereof;
 FIG. 8 is a perspective view 2 thereof; and,
 FIG. 9 is a cross sectional view taken along line IX-IX of
 FIG. 3.

The broken lines shown in the drawings represent portions
 of the insert used for a cutting tool that form no part of the
 claimed design.

1 Claim, 5 Drawing Sheets

(58) **Field of Classification Search**

CPC E21B 10/16; E21B 10/567; C03B 23/047;
 C03B 23/0496

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,503,507	A *	4/1996	Lowe	.....	B23B 27/143	407/114
D410,475	S *	6/1999	Bernadic	.....	D15/139	
D414,194	S *	9/1999	Patterson	.....	D15/139	
6,742,970	B2 *	6/2004	Oles	.....	B23B 27/005	407/113
7,520,701	B2 *	4/2009	Kukino	.....	B23B 27/145	407/113
7,524,148	B2 *	4/2009	Okita	.....	B23B 27/143	407/114
D664,168	S *	7/2012	Okamura	.....	D15/139	
D664,410	S *	7/2012	Ritchie	.....	D8/19	
8,672,590	B2 *	3/2014	Tanaka	.....	B23B 27/141	407/113
9,199,312	B2 *	12/2015	Chen	.....	B23B 27/141	
D748,169	S *	1/2016	Tomoda	.....	D15/139	
D755,266	S *	5/2016	Tomoda	.....	D15/139	
D787,578	S *	5/2017	Watanobe	.....	D15/139	

9,649,692	B2 *	5/2017	Okamura	.....	B23B 27/145	
D789,430	S *	6/2017	Watanobe	.....	D15/139	
D799,572	S *	10/2017	Kanada	.....	D15/139	
D799,573	S *	10/2017	Tomoda	.....	D15/139	
D805,116	S *	12/2017	Fukuyama	.....	D15/139	
D820,329	S *	6/2018	Kanada	.....	D15/139	
10,010,940	B2 *	7/2018	Hirano	.....	B23B 27/141	
D829,786	S *	10/2018	Furusawa	.....	D15/139	
2006/0228179	A1 *	10/2006	Alm	.....	B23B 27/145	407/113
2007/0248424	A1 *	10/2007	Omori	.....	B23B 27/1614	407/113
2008/0199263	A1 *	8/2008	Jonsson	.....	B23B 27/10	407/11
2008/0254282	A1 *	10/2008	Kukino	.....	B23B 27/141	428/336
2010/0129168	A1 *	5/2010	Waki	.....	C23C 14/0641	407/119
2011/0299948	A1 *	12/2011	Edler	.....	B23B 27/145	407/114
2012/0128438	A1 *	5/2012	Tanaka	.....	B23B 27/141	407/115
2015/0016902	A1 *	1/2015	Okamura	.....	B23B 27/145	407/116
2015/0202730	A1 *	7/2015	Watanobe	.....	B24B 3/34	407/115
2015/0239050	A1 *	8/2015	Hirano	.....	B23B 27/141	407/115

OTHER PUBLICATIONS

“3pcs 5/8" CNC Lathe Excircle Indexable Carbide Turning Tool
 Holder Bit Set MTJNR1616H16 + MWLNR1616H08 +
 MCLNR1616H12 With 3pcs wnmg431, cnmg431, tnmg331 Index-
 able Carbide Inserts” [online]. CK-CNC. [Retrieved on Dec. 3,
 2018]. Retrieved from the Internet: <<https://www.amazon.com/dp/B076WTPBVK>>.*

Notice in Japanese Design Application No. 2015-025657, dated Jul.
 19, 2016.

* cited by examiner

FIG.1



FIG.2

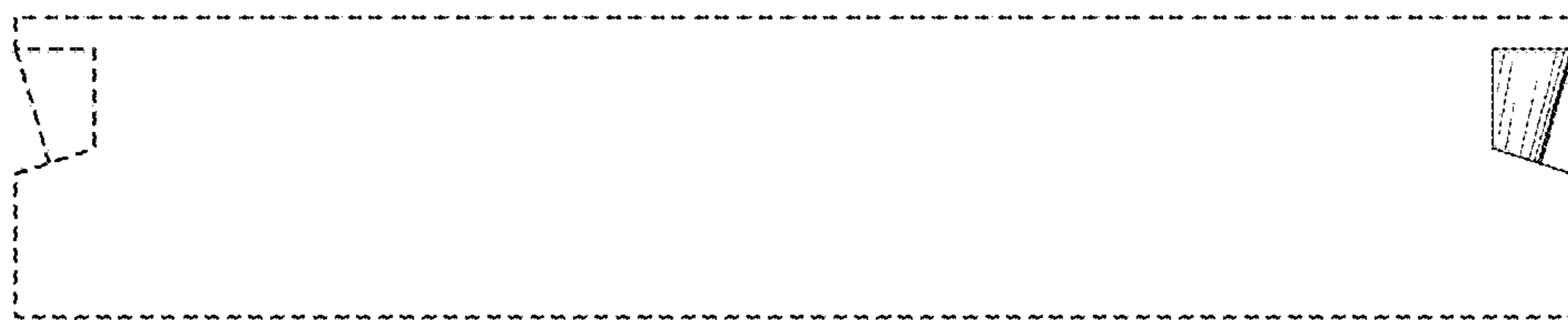


FIG.3

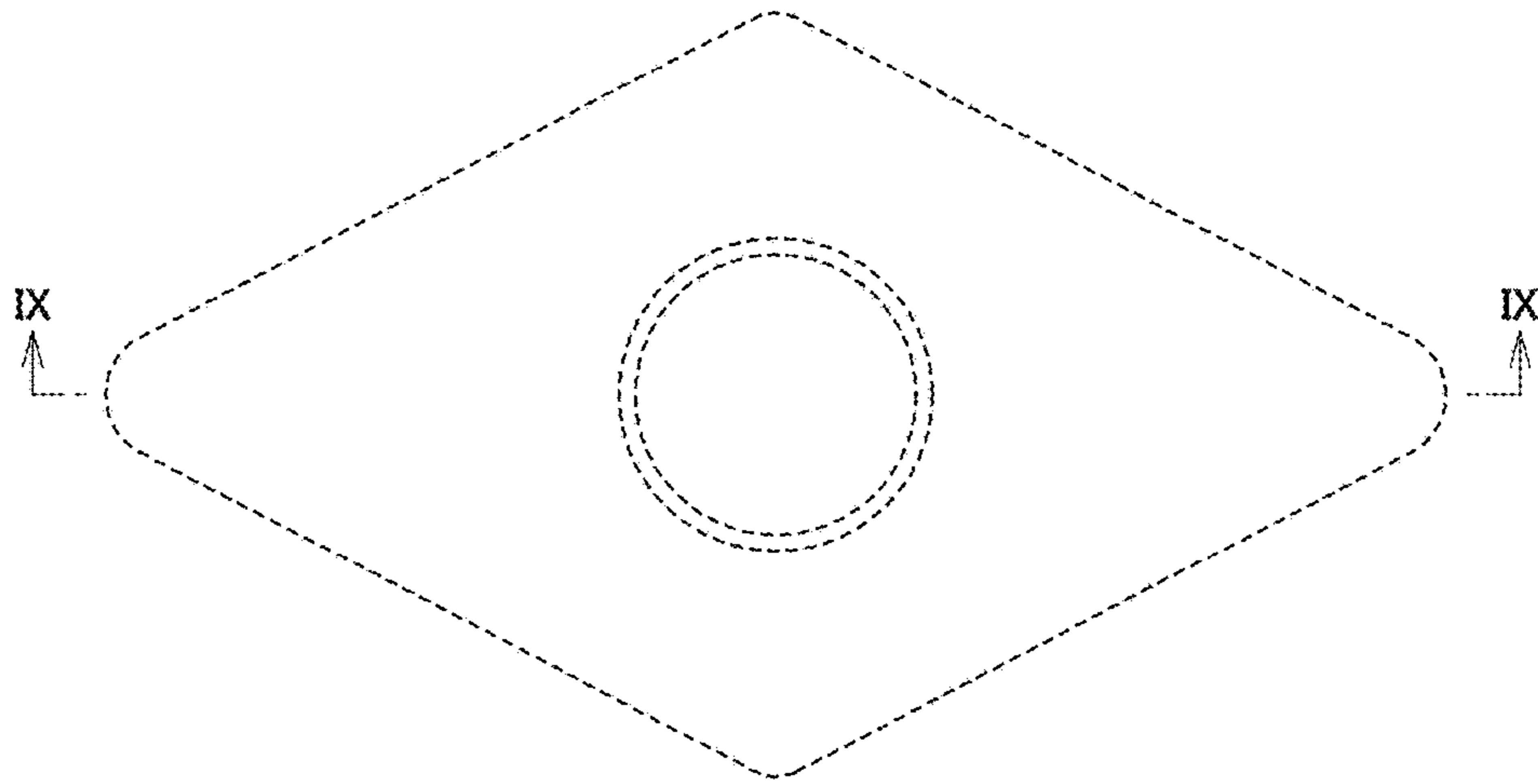


FIG.4

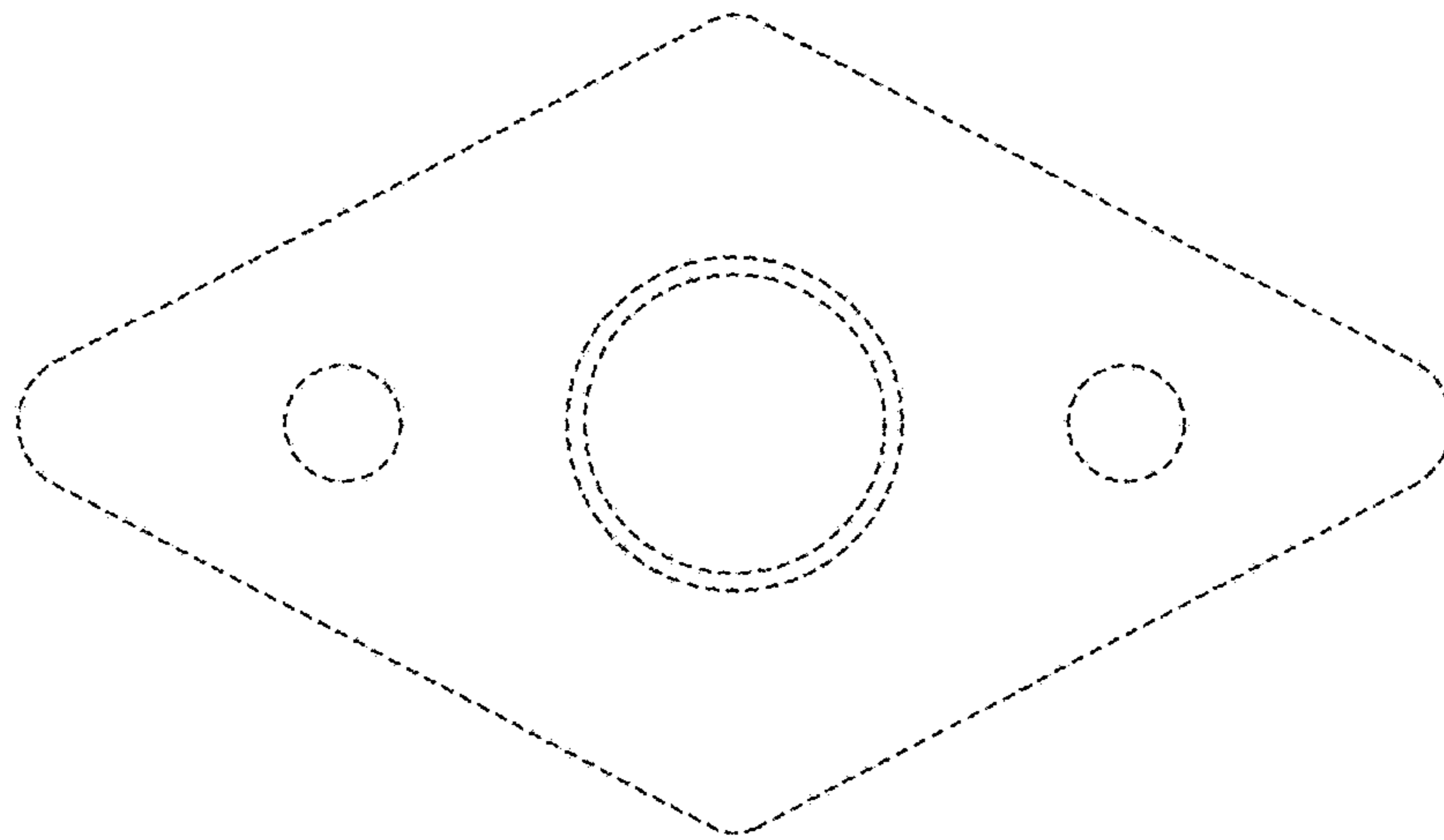


FIG.5

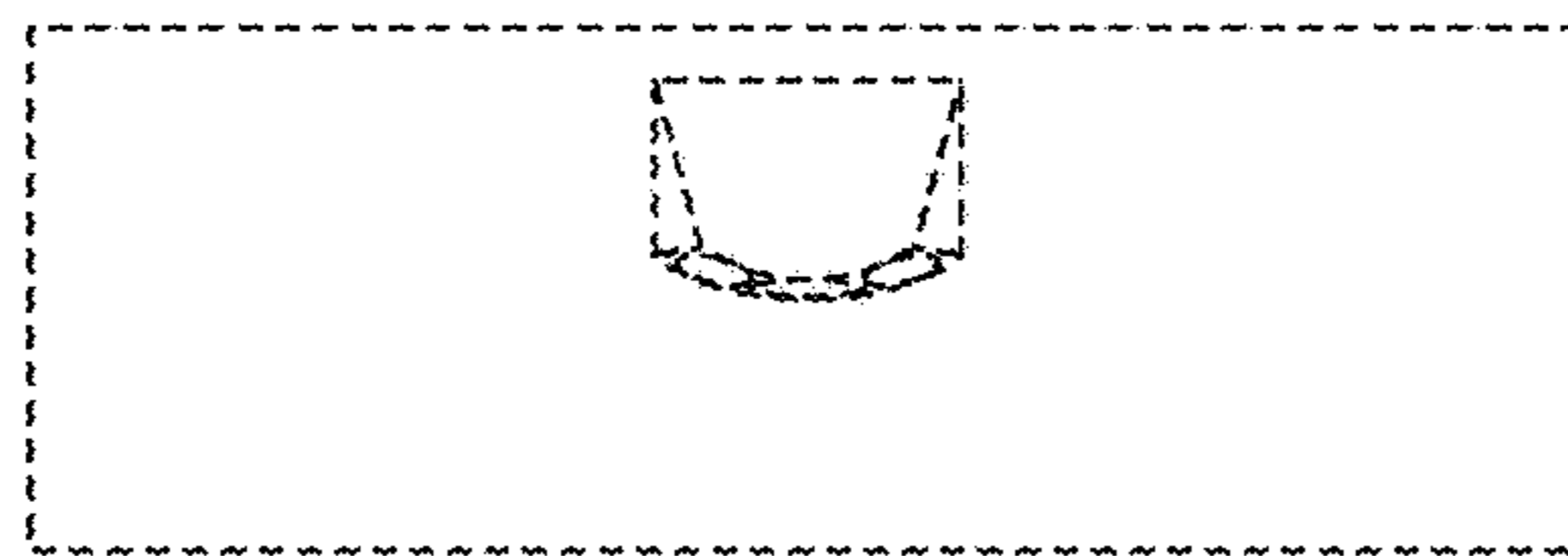


FIG.6

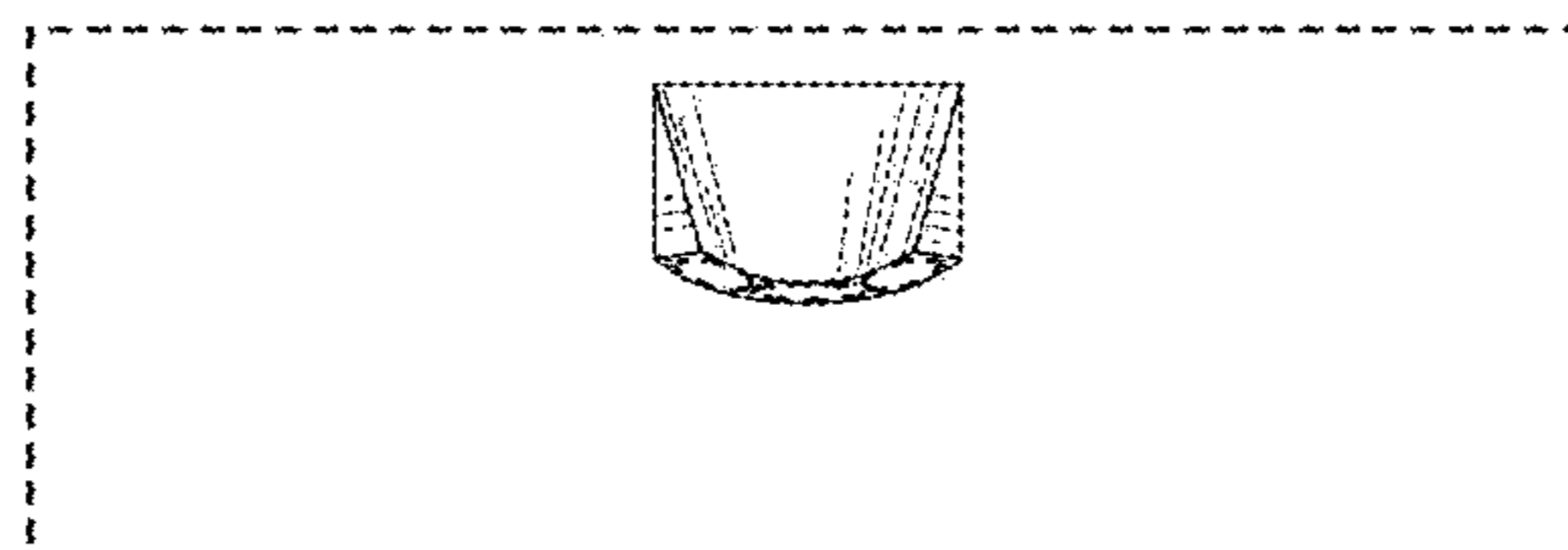


FIG.7

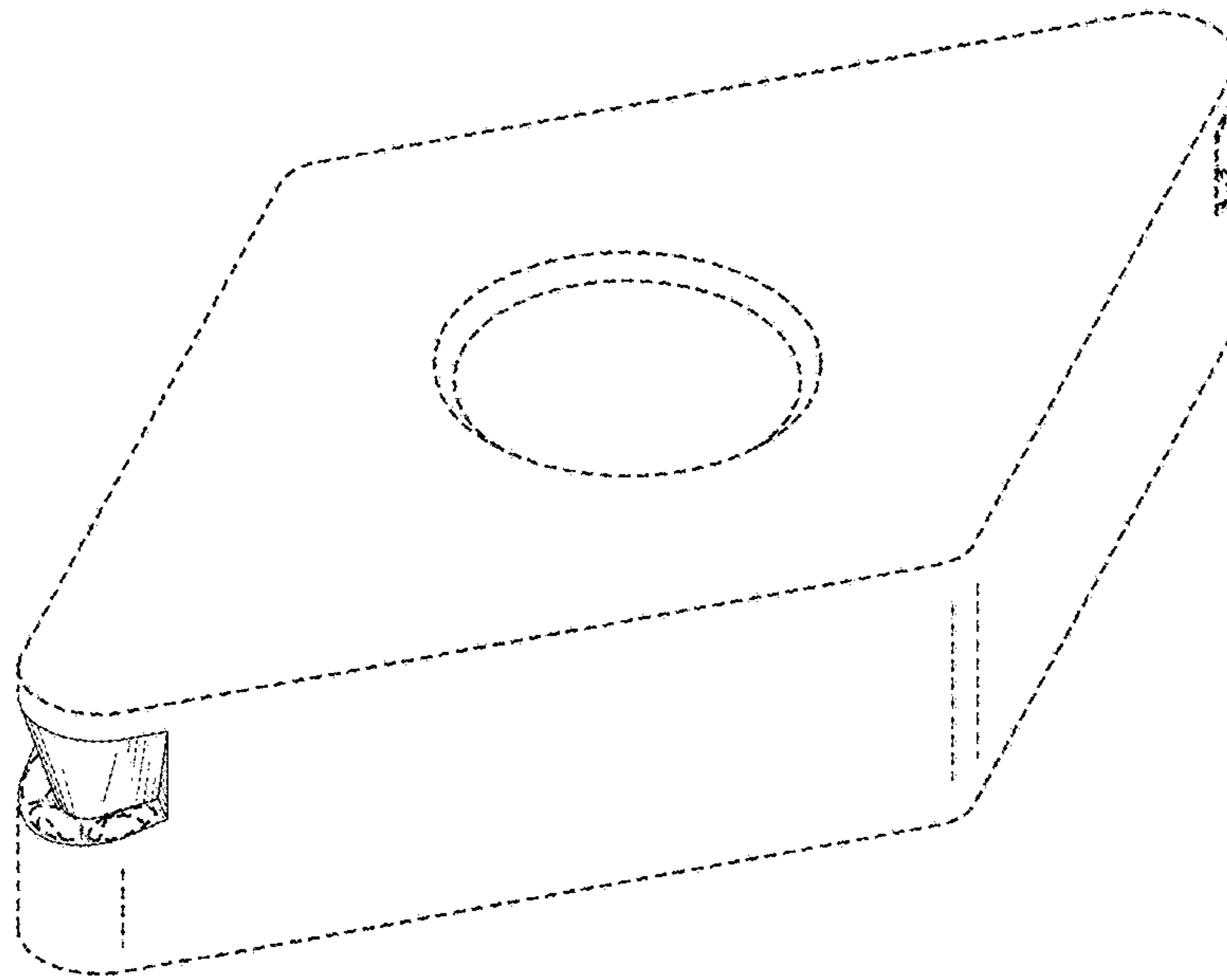


FIG.8

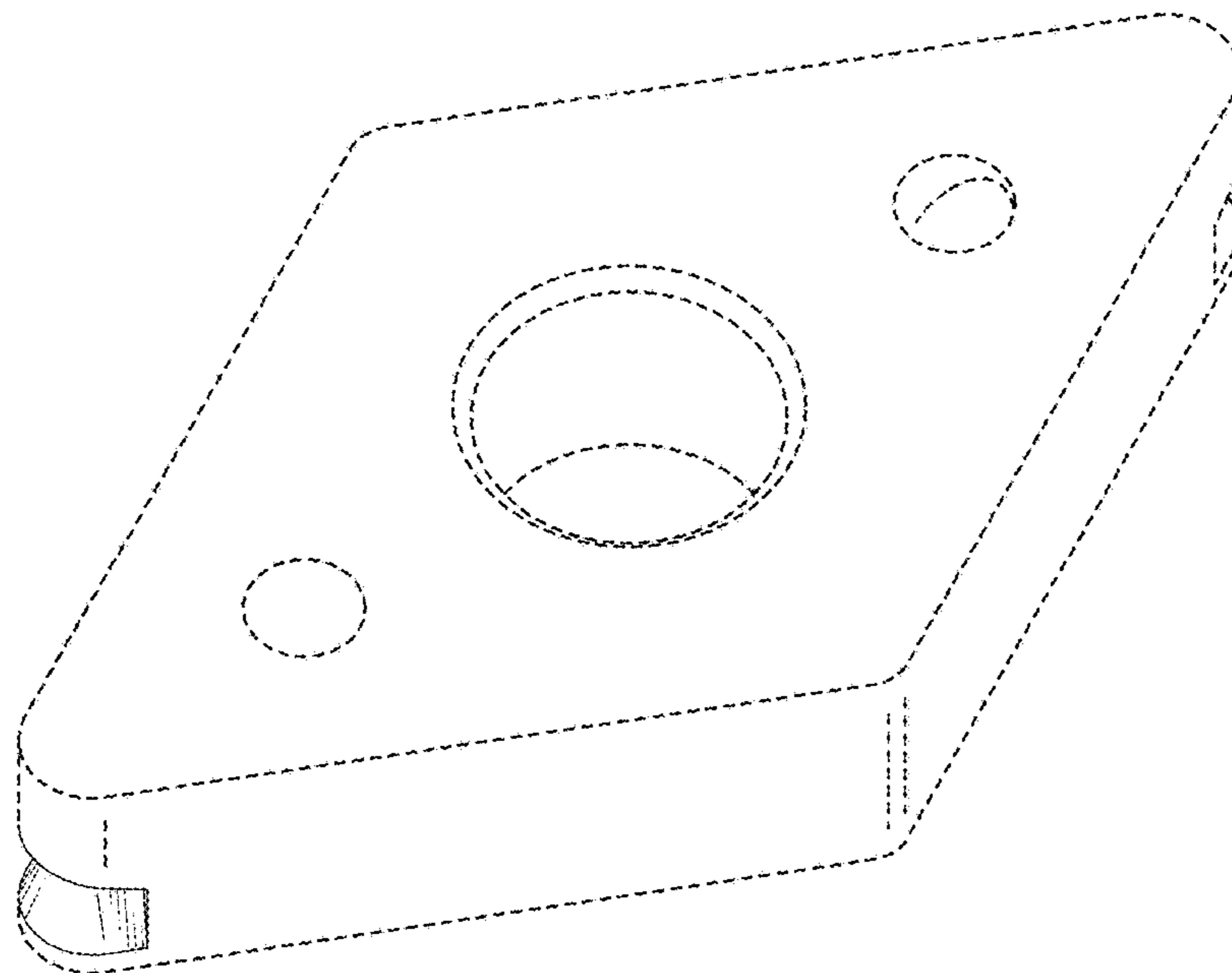


FIG.9

