



US00D844676S

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

(10) **Patent No.:** **US D844,676 S**

(45) **Date of Patent:** **\*\* Apr. 2, 2019**

(54) **REFLECTOR**

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

(21) Appl. No.: **29/610,409**

(22) Filed: **Jul. 12, 2017**

(30) **Foreign Application Priority Data**

Mar. 3, 2017 (EM) ..... 003781434-0001  
Mar. 3, 2017 (EM) ..... 003782531-0001

(51) **LOC (11) Cl.** ..... **15-03**

(52) **U.S. Cl.**  
USPC ..... **D15/28**; D26/28

(58) **Field of Classification Search**  
USPC ..... D15/22-26, 28; D26/28-36;  
362/475-468, 475-478, 485, 487  
CPC ..... F21S 48/00; F21S 48/10; F21S 48/115;  
F21S 48/225; F21S 48/1233; F21S  
48/1266; F21S 48/1388; F21S 48/2268;  
F21V 21/04  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D213,475 S \* 3/1969 Howell ..... D10/111  
3,541,606 A \* 11/1970 Heenan ..... B60Q 1/30  
359/533

D248,791 S \* 8/1978 Tixier ..... D26/122  
D250,059 S \* 10/1978 Bleiweiss ..... D26/122  
D263,287 S \* 3/1982 Maxeiner ..... D10/111  
D272,808 S \* 2/1984 Luthe ..... D10/111  
D276,560 S \* 11/1984 Habro ..... D26/128  
D285,352 S \* 8/1986 Envall ..... D26/35  
D316,461 S \* 4/1991 McGlothlin ..... D26/139

(Continued)

**OTHER PUBLICATIONS**

Images of Volvo Construction Equipment Excavator Model EC950E,  
disclosed at Bauma Trade Fair, Munich, Germany, Apr. 11-17, 2016.  
(Continued)

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(57) **CLAIM**

The ornamental design for a reflector, as shown and  
described.

**DESCRIPTION**

The file of this patent contains at least one drawing/photo-  
graph executed in color. Copies of this patent with color  
drawing(s)/photograph(s) will be provided by the Office  
upon request and payment of the necessary fee.

FIG. 1 is a left-rear perspective view of a reflector showing  
our new design.

FIG. 2 is a left side view thereof.

FIG. 3 is a right side view thereof.

FIG. 4 is an enlarged partial view of FIG. 1 taken at A.

FIG. 5 is an enlarged partial view of FIG. 2 taken at B; and,

FIG. 6 is an enlarged partial view of FIG. 3 taken at C.

The light gray shaded areas in the figures showing of a  
construction machine is included for the purpose of illus-  
trating environmental use only and forms no part of the  
claimed design.

**1 Claim, 6 Drawing Sheets**  
**(6 of 6 Drawing Sheet(s) Filed in Color)**



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(56)

References Cited

U.S. PATENT DOCUMENTS

D323,901 S \* 2/1992 Falck ..... D26/35  
 D347,081 S \* 5/1994 Ikeda ..... D26/122  
 D389,256 S \* 1/1998 Sacco ..... D26/28  
 D426,905 S \* 6/2000 Cook ..... D26/28  
 D439,995 S \* 4/2001 Nakazawa ..... D26/28  
 D440,331 S \* 4/2001 Nakazawa ..... D26/28  
 D441,469 S \* 5/2001 Goebert ..... D26/28  
 D472,987 S \* 4/2003 Warming ..... D26/28  
 D525,387 S \* 7/2006 Lau ..... D26/139  
 D526,429 S \* 8/2006 Hovind ..... D26/28  
 D546,986 S \* 7/2007 Platto ..... D26/28  
 D553,269 S \* 10/2007 Pfeiffer ..... D26/28  
 D583,968 S \* 12/2008 Simons ..... D26/28  
 D596,323 S \* 7/2009 Ishizuka ..... D26/28  
 D604,450 S \* 11/2009 Blumer ..... D26/118  
 D611,176 S \* 3/2010 Elliott ..... D26/28  
 D632,424 S \* 2/2011 Fesler ..... D26/139  
 D655,836 S \* 3/2012 Lee ..... D26/28

D674,935 S \* 1/2013 Conway ..... D26/28  
 D697,258 S \* 1/2014 Conway ..... D26/139  
 D697,259 S \* 1/2014 Hovind ..... D26/139  
 D720,874 S \* 1/2015 Jackson ..... D15/28  
 D726,351 S \* 4/2015 Kato ..... D26/28  
 D735,913 S \* 8/2015 Mays ..... D26/28  
 D738,009 S \* 9/2015 Gorsten Schuenemann .. D26/28  
 D740,979 S \* 10/2015 Lee ..... D26/28  
 D740,998 S \* 10/2015 Nevins ..... D26/118  
 D744,158 S \* 11/2015 Willett ..... D26/120  
 D748,302 S \* 1/2016 Ahn ..... D26/28  
 D775,379 S \* 12/2016 Frykholm ..... D26/28  
 D778,472 S \* 2/2017 Ahn ..... D26/28  
 D820,510 S \* 6/2018 Conway ..... D26/139

OTHER PUBLICATIONS

Images of Volvo Construction Equipment Excavator Model EC750E,  
 disclosed to public May 2016.

\* cited by examiner

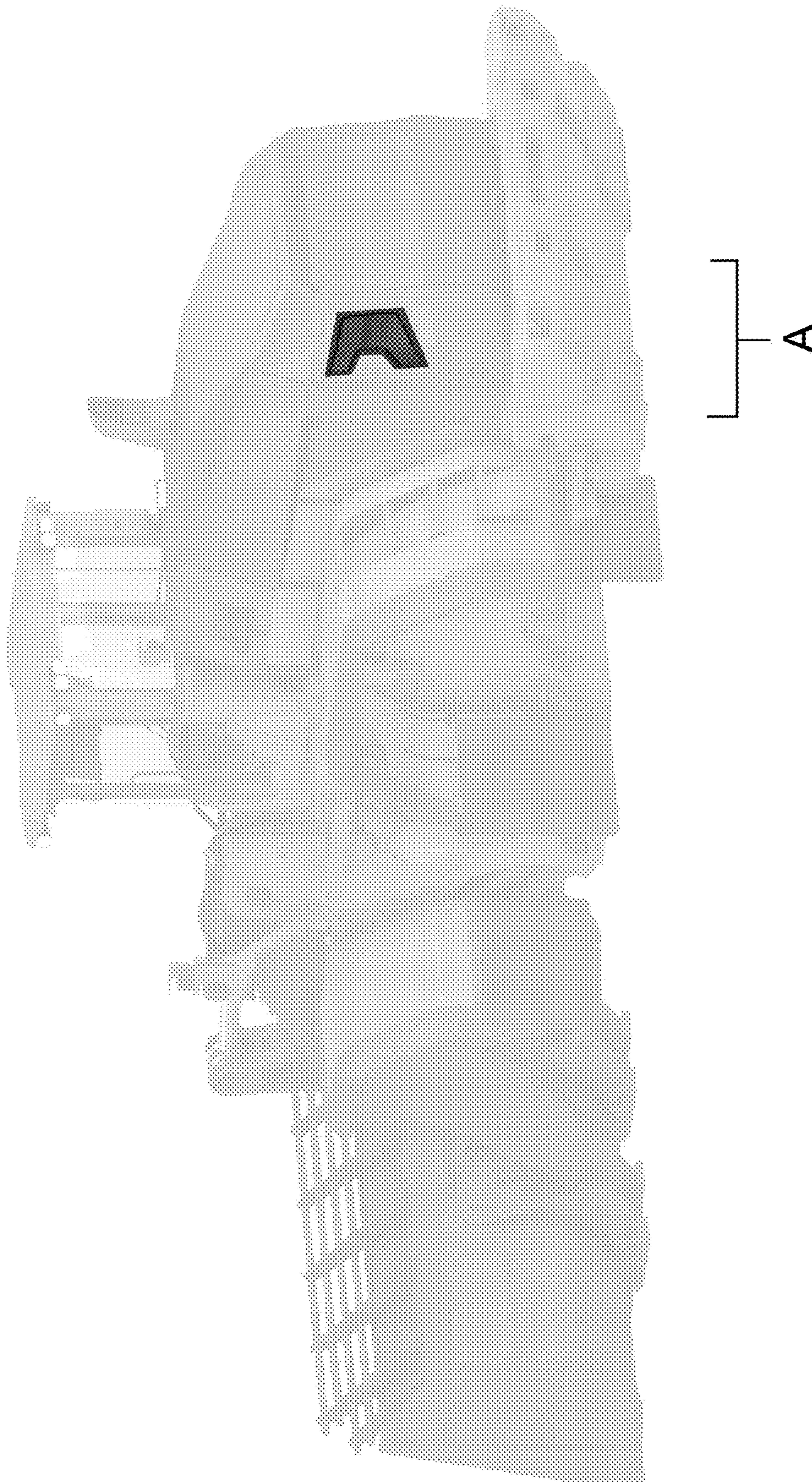


FIG. 1

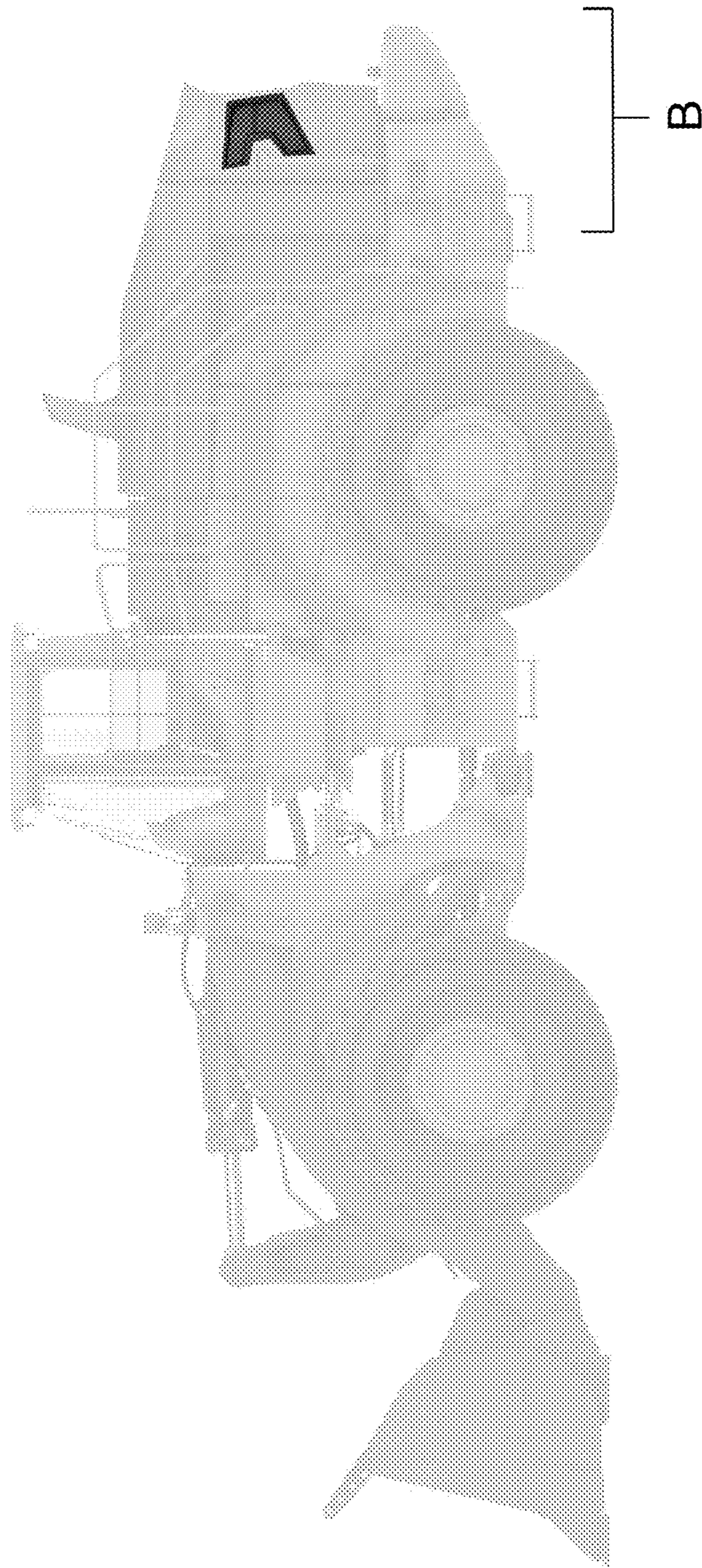


FIG. 2

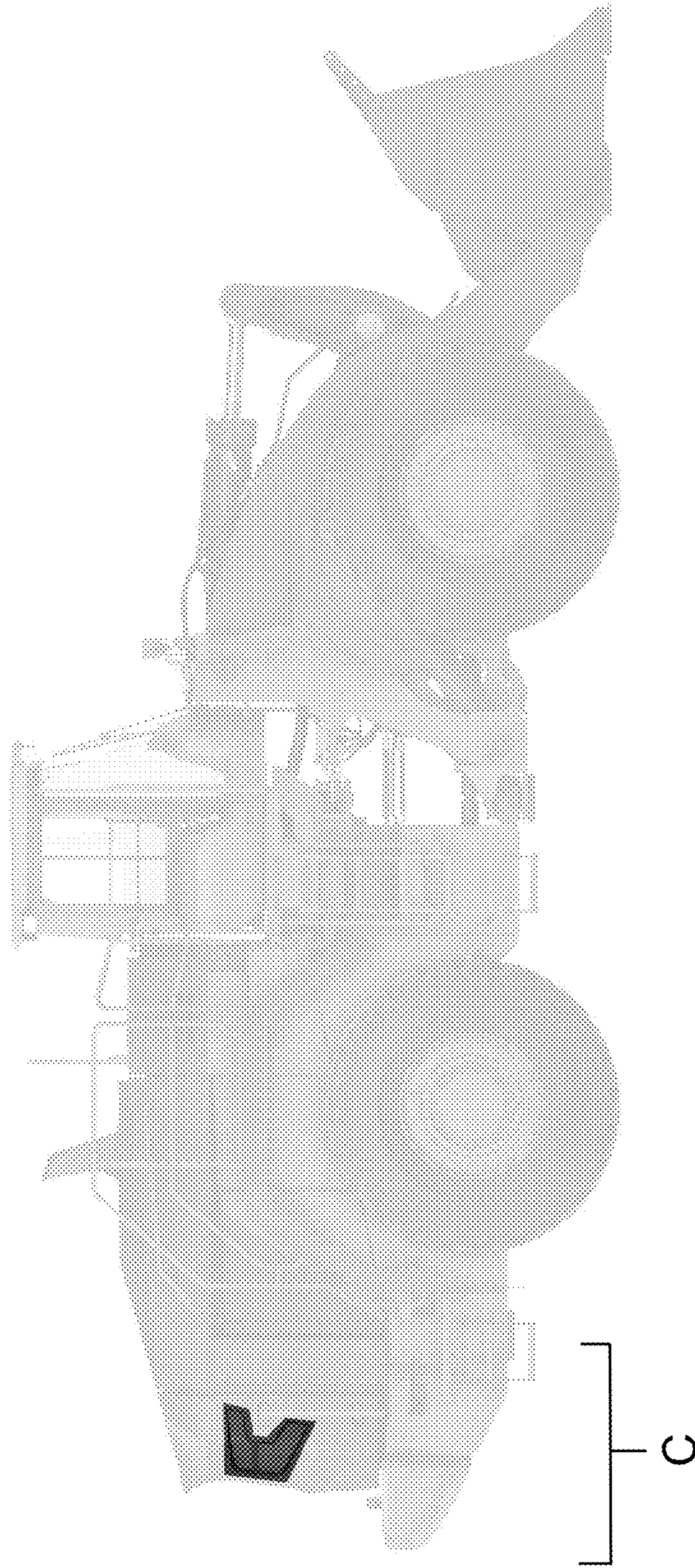


FIG. 3

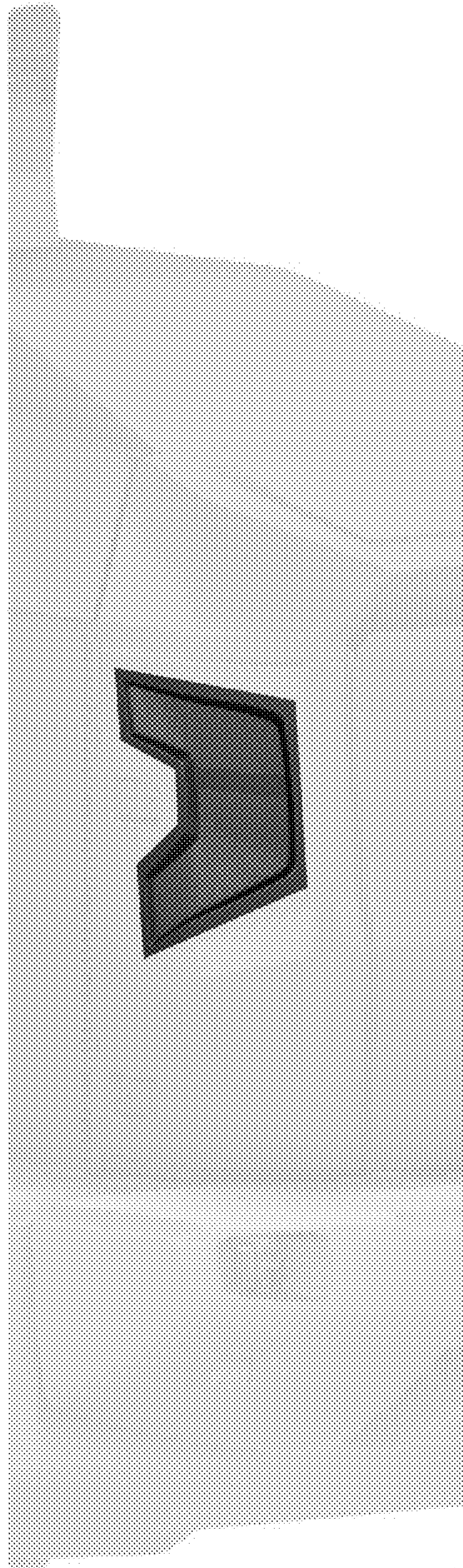


FIG. 4



FIG. 5

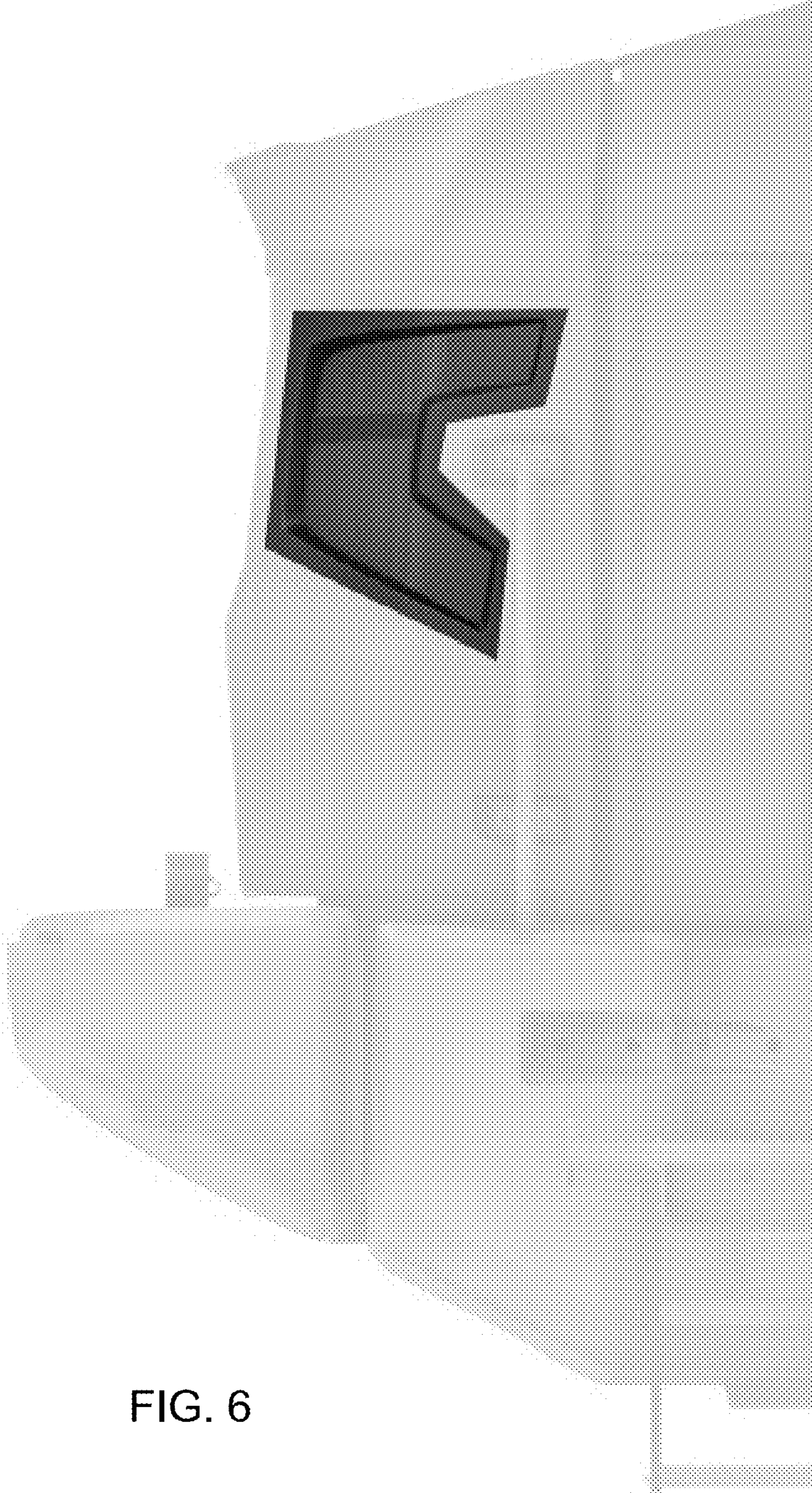


FIG. 6