



US00D672155S

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

(10) **Patent No.:** **US D672,155 S**  
(45) **Date of Patent:** **\*\* Dec. 11, 2012**

(54) **FILM SHEET FOR USE IN ANTIBALLISTIC ARTICLES**

(75) Inventors: **Reinard Steeman**, Esloo (NL); **Marcel Jongedijk**, Geleen (NL)

(73) Assignee: **DSM IP Assets B.V.**, Heerlen (NL)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/388,730**

(22) Filed: **Mar. 31, 2011**

**Related U.S. Application Data**

(60) Continuation-in-part of application No. 29/367,789, filed on Aug. 12, 2010, now Pat. No. Des. 637,409, which is a division of application No. 29/338,903, filed on Jun. 19, 2009, now Pat. No. Des. 628,394.

(51) **LOC (9) Cl.** ..... **05-06**

(52) **U.S. Cl.** ..... **D5/58**

(58) **Field of Classification Search** ..... D5/1-4, D5/19, 47, 53, 55-59, 60, 61, 99; D6/582, D6/583, 592, 596, 616, 622; D19/5; D24/124-126; 52/660; 112/401, 416, 439; 139/383 R; 428/32, 37, 39, 66.5, 79, 85, 153, 187, 190  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D61,587 S	10/1922	Lord	
D64,019 S *	2/1924	Lord	D5/46
1,611,403 A	12/1926	Bales	
D87,794 S *	9/1932	Pohl	D5/46
1,877,154 A	9/1932	Reed	
D88,208 S *	11/1932	Katzman	D5/62
D88,490 S	11/1932	Singer	
D90,914 S	10/1933	Juestrich	
D97,989 S *	12/1935	Chassman	D5/47

D113,603 S *	2/1939	Levy	D5/47
D127,202 S *	5/1941	Landry	D5/47
D128,117 S *	7/1941	Koehne	D5/46
D128,956 S	8/1941	Cummings	
D130,552 S *	11/1941	Fenner	D5/46
D137,783 S *	4/1944	McLaughlin	D5/46
D159,150 S *	6/1950	Greg	D5/46
D229,214 S *	11/1973	Schroeder	D5/51
D235,165 S *	5/1975	Wassenberg	D5/46
D239,245 S	3/1976	Fletcher	
4,931,126 A	6/1990	McCarville et al.	
D348,908 S	7/1994	Seiler	
5,913,765 A *	6/1999	Burgess et al.	493/403
6,079,177 A	6/2000	Halchuck	
D452,779 S	1/2002	Jacobs	
6,412,778 B1	7/2002	Alaimo	
D472,717 S *	4/2003	Buckle	D5/46
D478,218 S	8/2003	Liang	
D518,648 S	4/2006	Broering et al.	
7,021,628 B2	4/2006	Reynolds	
7,161,175 B2	1/2007	Shau	
D549,967 S	9/2007	Wing	
D552,689 S	10/2007	Hauls, Jr.	

(Continued)

*Primary Examiner* — Karen S Acker

(74) *Attorney, Agent, or Firm* — Nixon & Vanderhye P.C.

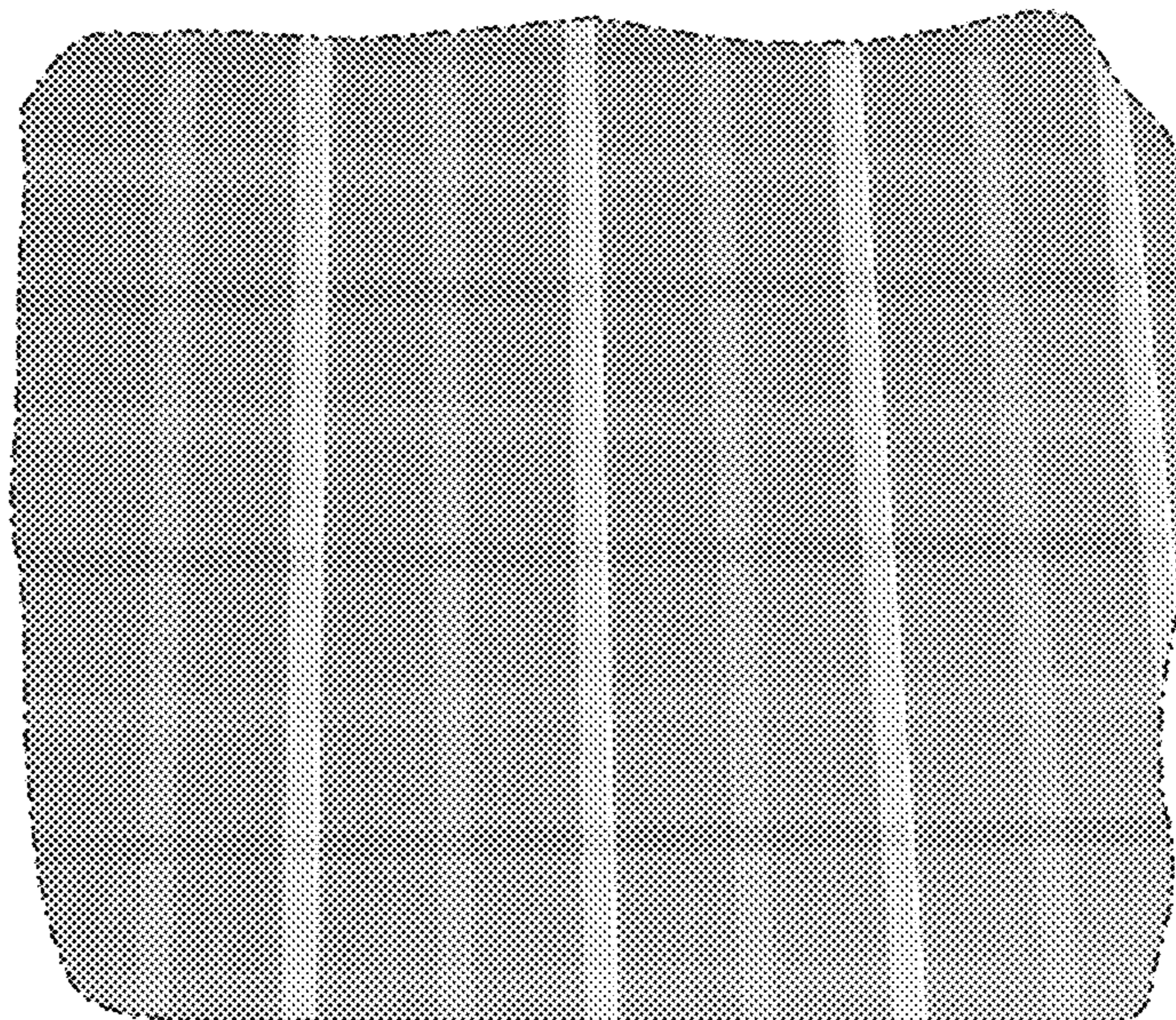
(57) **CLAIM**

The ornamental design for a film sheet for use in antiballistic articles, as shown and described.

**DESCRIPTION**

FIG. 1 is a top plan view of a film sheet for use in antiballistic articles according to our new design; and, FIG. 2 is a bottom plan view, thereof. The broken lines surrounding the design indicate the boundaries of the claim and form no part thereof. The design is flat and planar and the thickness of the film sheet for use in antiballistic articles forms no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



# US D672,155 S

Page 2

---

## U.S. PATENT DOCUMENTS

D552,698 S	10/2007	Sizemore	D601,375 S	10/2009	Venugopal	
D555,407 S	11/2007	Lan	D626,753 S *	11/2010	Steeman et al.	..... D5/58
D570,502 S	6/2008	Silvestrin	D637,408 S *	5/2011	Steeman et al.	..... D5/58
7,507,489 B2	3/2009	Toriyama	D645,260 S *	9/2011	Steeman et al.	..... D5/58
7,546,715 B2	6/2009	Roen	2004/0092183 A1	5/2004	Geva et al.	
7,547,112 B2	6/2009	Kim	2008/0127531 A1	6/2008	Stanek et al.	
D597,224 S	7/2009	Ziliotto	2009/0311466 A1	12/2009	Marissen et al.	

\* cited by examiner

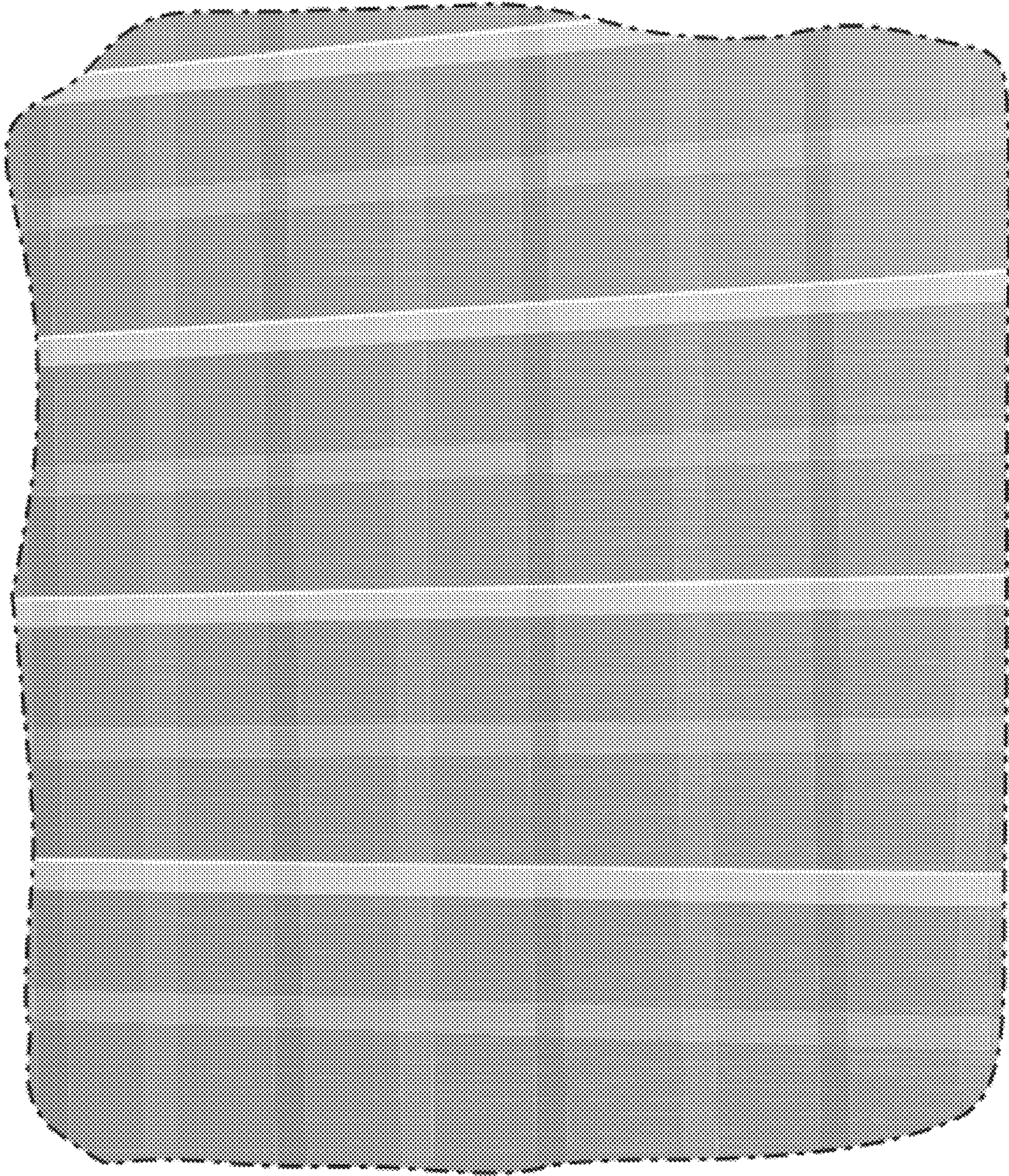


FIG. 1

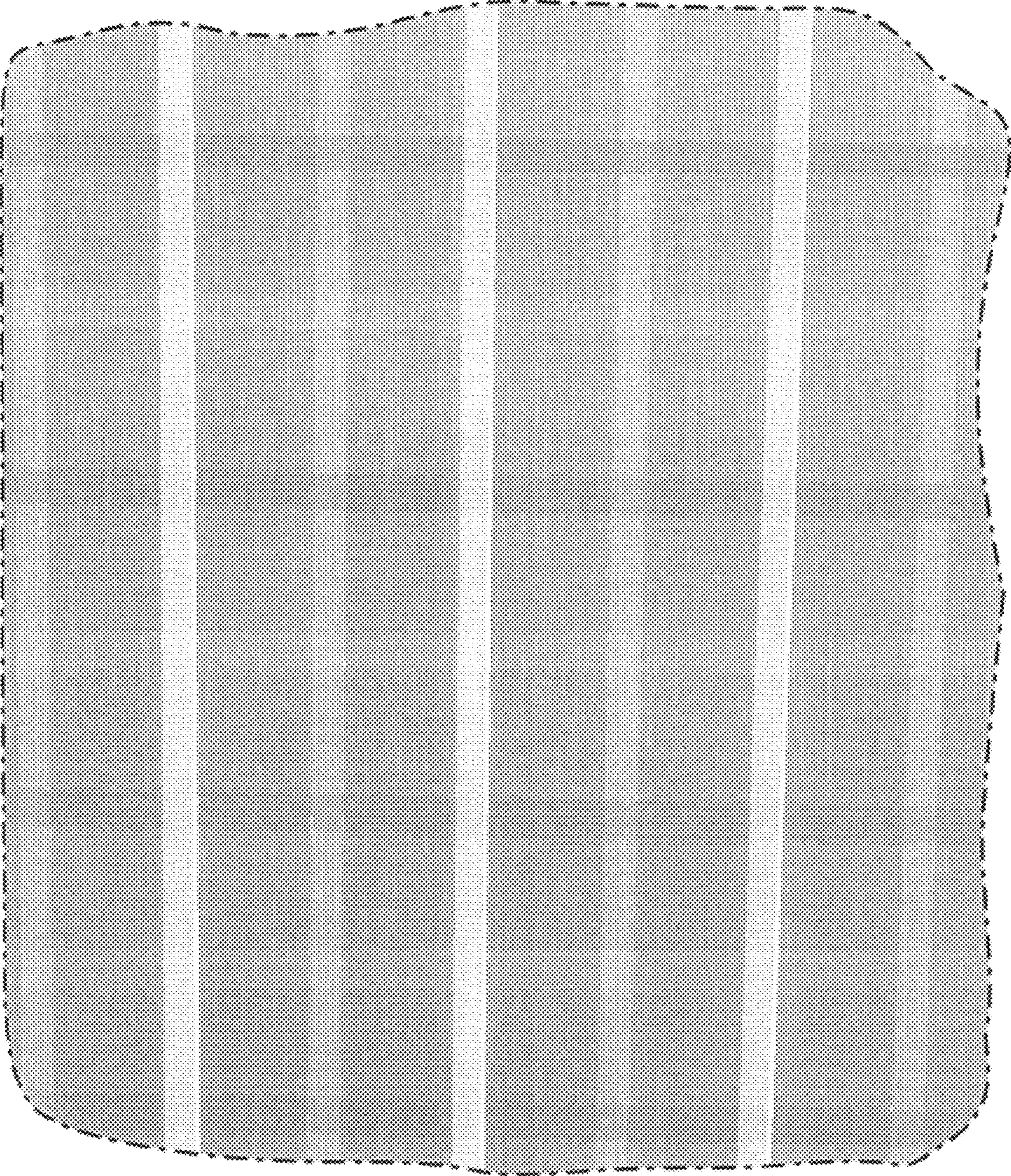


FIG. 2