



US00D513884S

(12) **United States Design Patent**  
**Ebisawa**

(10) **Patent No.:** **US D513,884 S**  
(45) **Date of Patent:** **\*\* Jan. 31, 2006**

- (54) **ABRASIVE SHEET**
- (75) **Inventor:** **Hajime Ebisawa, Atsugi (JP)**
- (73) **Assignee:** **3M Innovative Properties Company, St. Paul, MN (US)**
- (\*\*) **Term:** **14 Years**
- (21) **Appl. No.:** **29/192,192**
- (22) **Filed:** **Oct. 20, 2003**
- (30) **Foreign Application Priority Data**  
Apr. 24, 2003 (JP) ..... 2003-011697
- (51) **LOC (8) Cl. .... 05-06**
- (52) **U.S. Cl. .... D5/57; D5/47; D5/30**
- (58) **Field of Classification Search ..... D5/1-3, D5/5, 7-8, 11, 13-16, 19-20, 23-28, 30, D5/32, 35-37, 39, 43, 45-47, 49-50, 52-66, D5/99; D2/479, 994; D6/582-583, 595-596, D6/598, 608, 603-606, 613, 616, 617, 619, D6/622; 428/17-18, 151, 154, 156, 171, 428/187, 198, 199, 540, 542.2, 542.6, 919, 428/904.4; D24/124, 128; D25/142, 152; D21/605; 5/413 AM, 709; 162/134, 140, 162/231; 156/148, 209; D7/396.4-5; D8/70**  
See application file for complete search history.

3,932,966 A	1/1976	Stern	
4,964,245 A	10/1990	Braasch	
5,367,839 A	11/1994	Pearce	
5,674,122 A	10/1997	Krech	
5,810,650 A	9/1998	Jöst	
5,989,112 A	11/1999	Long et al.	
6,077,156 A	6/2000	Amin et al.	
6,159,089 A	12/2000	Amin et al.	
D440,772 S	* 4/2001	Visel .....	D5/53
D444,631 S	* 7/2001	Woodbridge et al. ....	D5/53
6,312,325 B1	11/2001	Van Osenbruggen	
6,368,199 B1	4/2002	Van Osenbruggen	
2003/0003856 A1	1/2003	Swei	

**FOREIGN PATENT DOCUMENTS**

EP	938950 A3	9/1999
EP	938950 B1	9/1999
EP	938950 A2	9/1999
FR	2659892 A1	3/1999
GB	2017485	10/1979
GB	2057483	4/1981

\* cited by examiner

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(74) *Attorney, Agent, or Firm*—Rick L. Franzen

(57) **CLAIM**

The ornamental design for an abrasive sheet, as shown and described.

**DESCRIPTION**

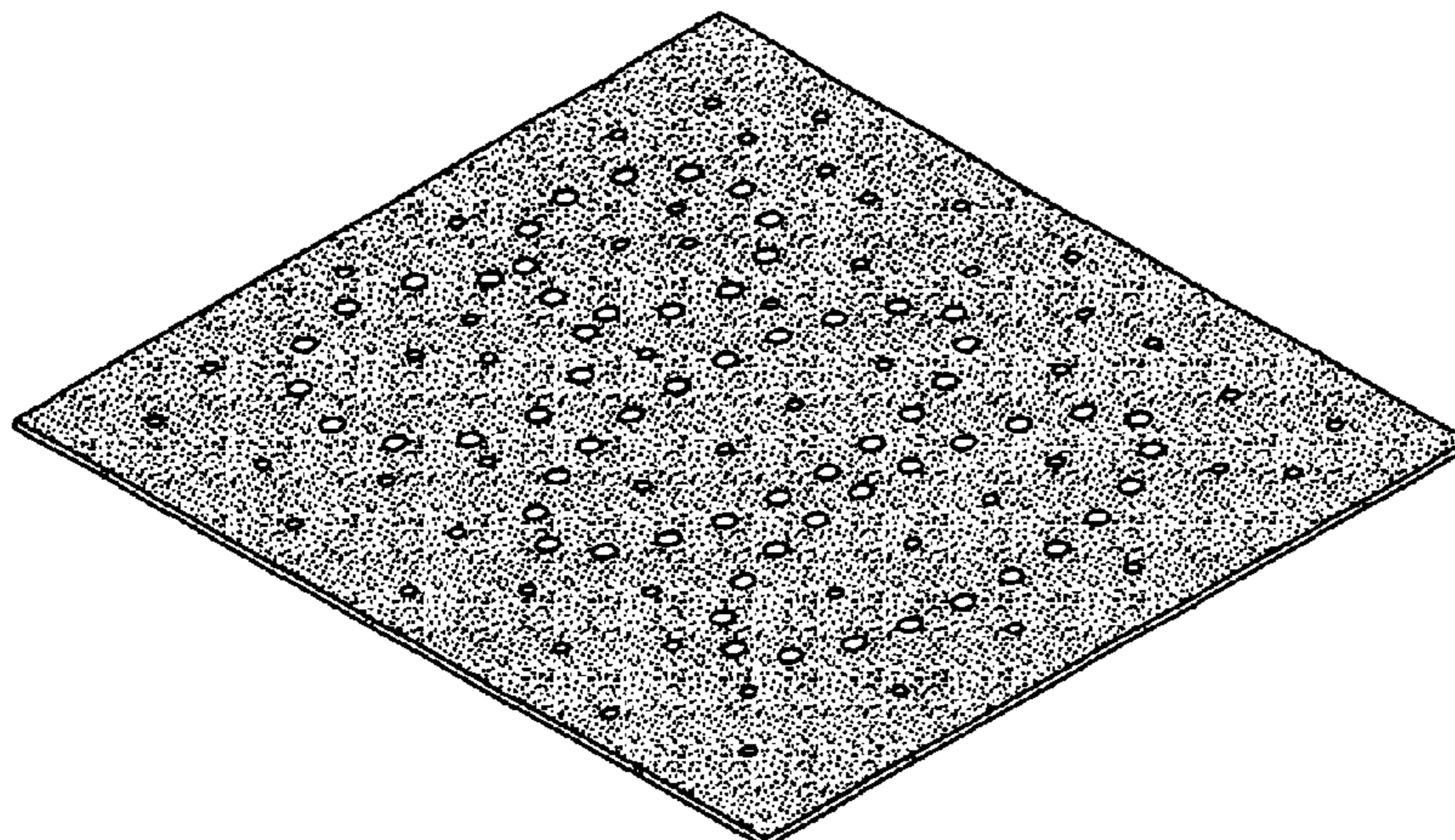
FIG. 1 is a perspective view of an abrasive sheet showing my new design;  
FIG. 2 is a top plan view thereof;  
FIG. 3 is a bottom plan view thereof;  
FIG. 4 is a side view thereof, the opposite side being identical; and,  
FIG. 5 is an end view thereof, the opposite end being identical.

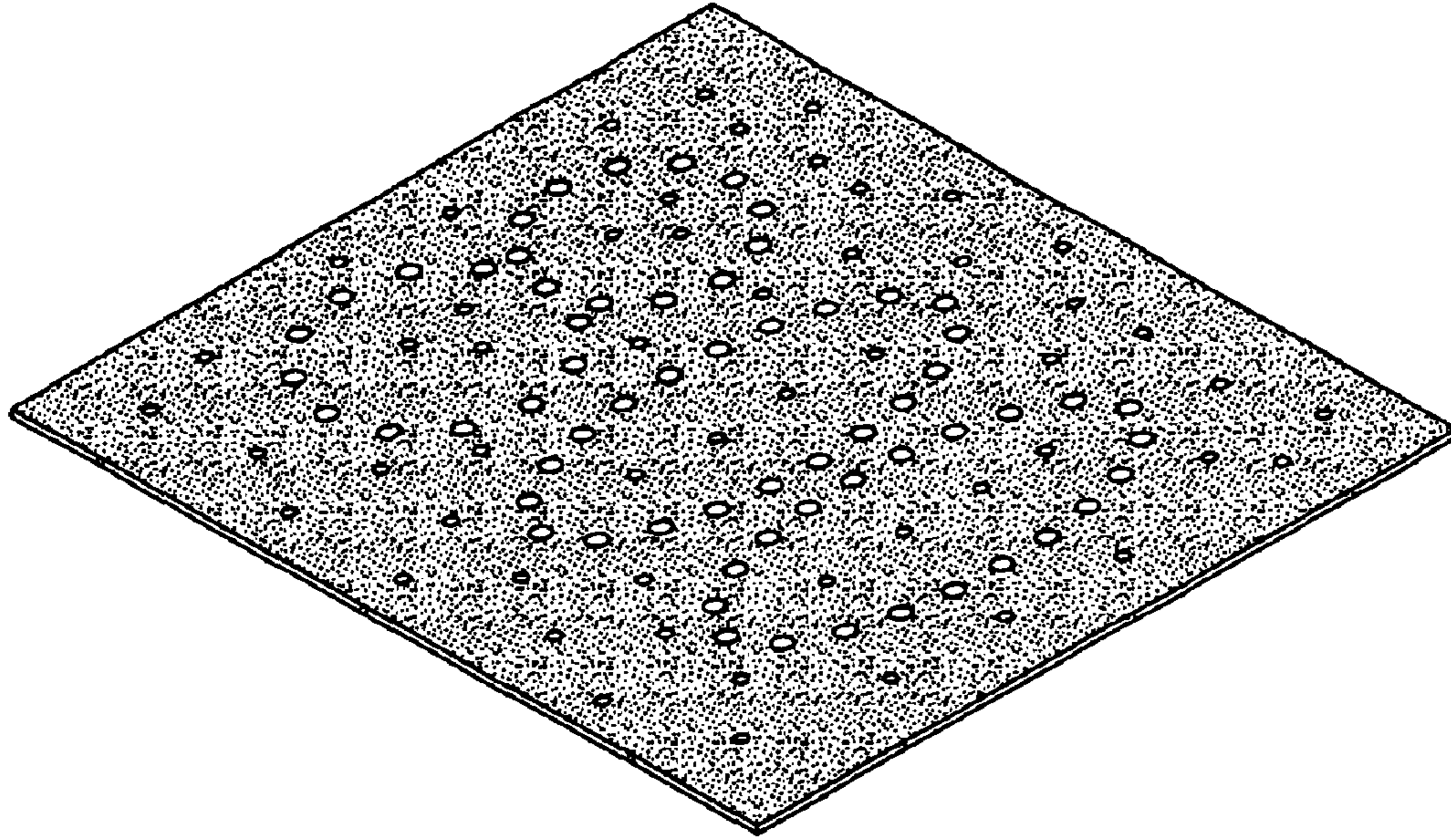
**1 Claim, 2 Drawing Sheets**

(56) **References Cited**

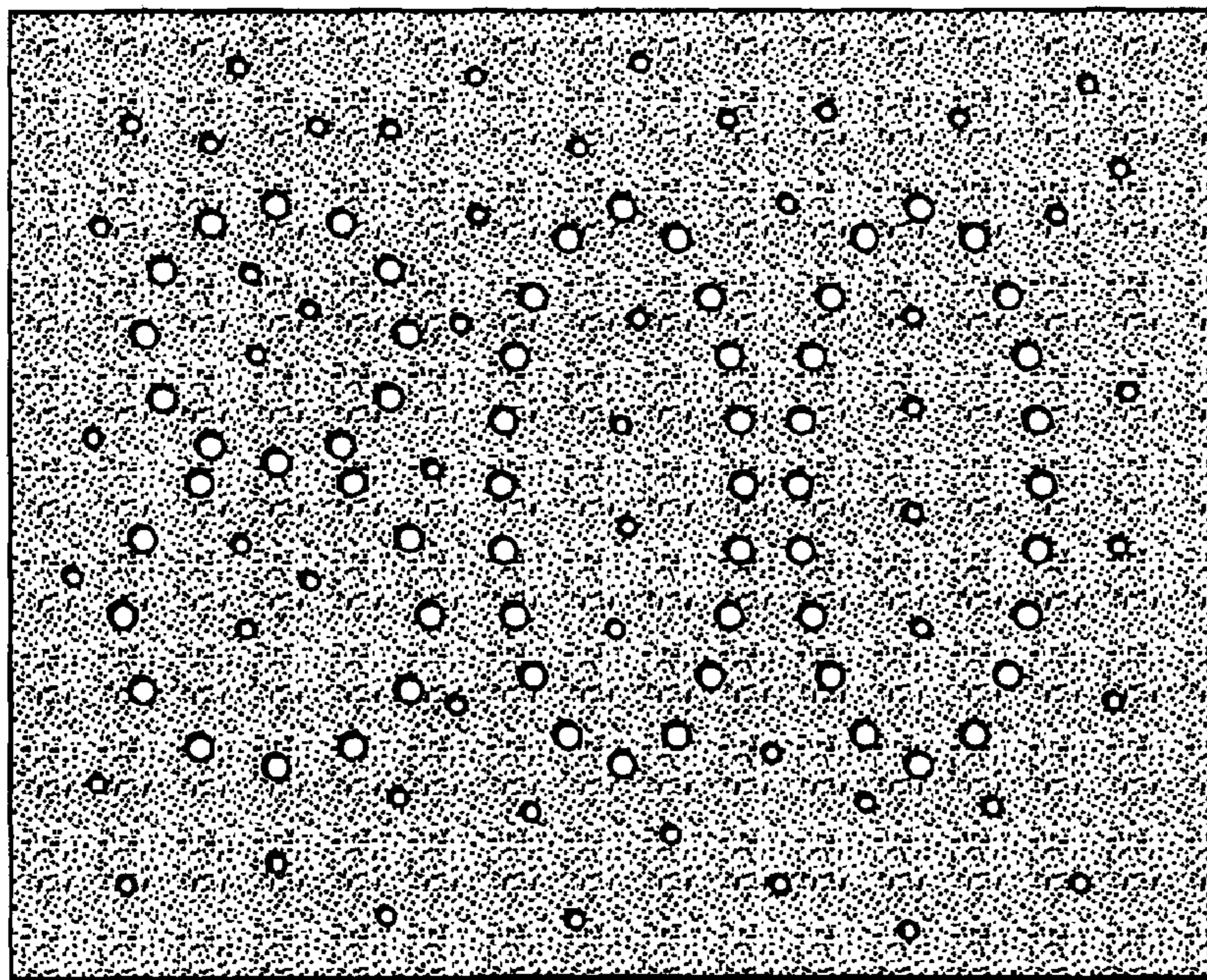
**U.S. PATENT DOCUMENTS**

D12,056 S	* 12/1880	Stimpson .....	D5/7
D99,638 S	* 5/1936	Daniels .....	D5/1
D114,518 S	* 4/1939	Lehmann .....	D5/60
D131,575 S	* 3/1942	Hoshall .....	D5/7
2,749,681 A	6/1956	Reidenbach	
2,838,890 A	6/1958	McIntyre	
D187,362 S	* 3/1960	Ellefson .....	D5/53
3,021,649 A	2/1962	Robbins	
3,353,308 A	11/1967	Zane	
3,886,941 A	* 6/1975	Duane et al. ....	D5/53

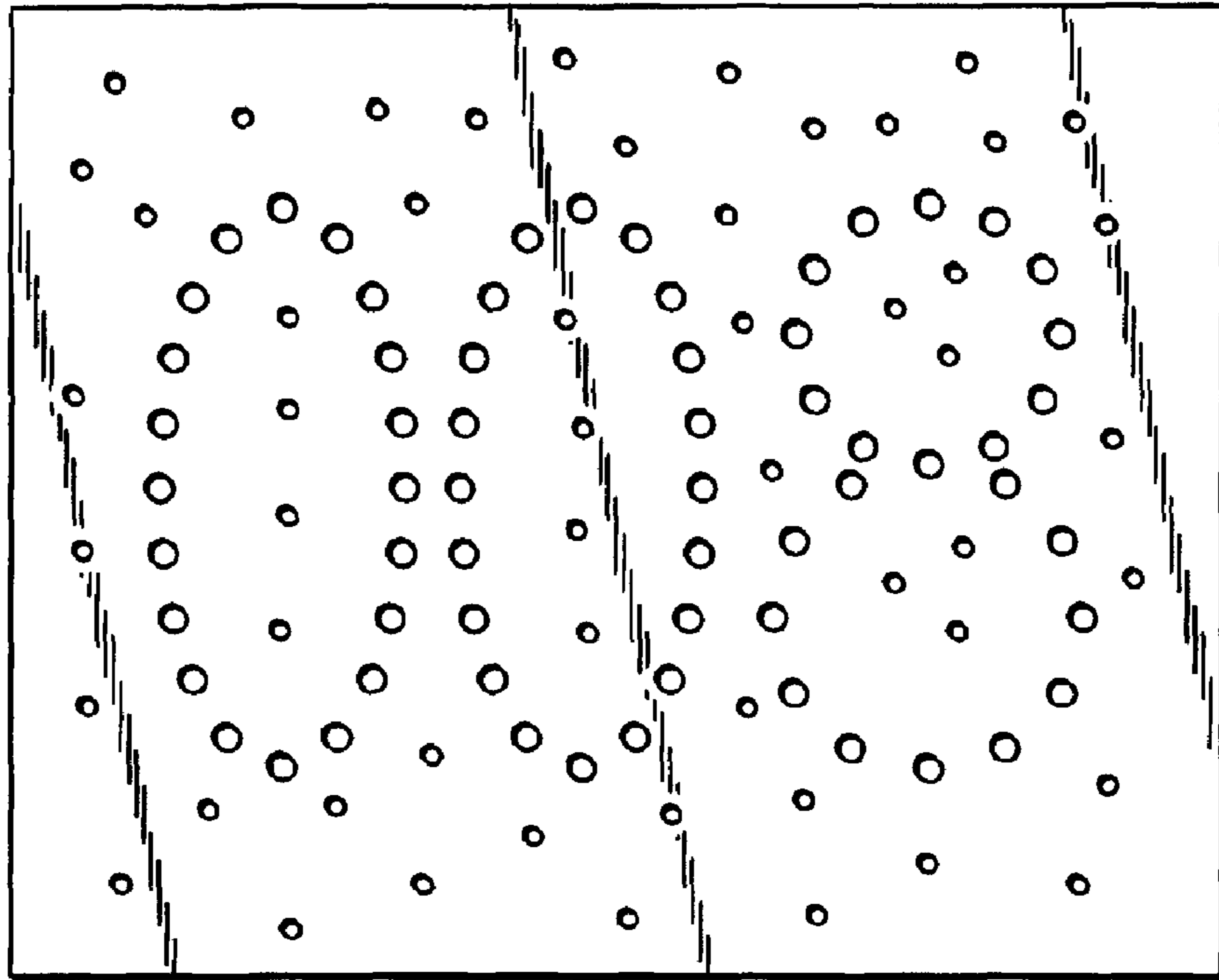




*FIG. 1*



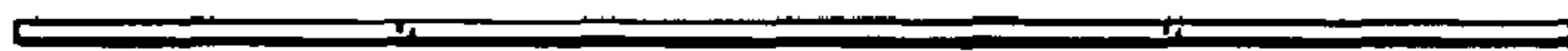
*FIG. 2*



*FIG. 3*



*FIG. 4*



*FIG. 5*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : Des. 513,884 S  
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INVENTOR(S) : Ebisawa, Hajime

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page - under References Cited, Foreign Patent Documents, Please change the date of 2659892 from 3/1999 to - 3/1990 - -

Title Page - under Claim - Please delete “,” after sheet - -

Signed and Sealed this

First Day of August, 2006

A handwritten signature in black ink on a dotted background. The signature reads "Jon W. Dudas" in a cursive style.

JON W. DUDAS

*Director of the United States Patent and Trademark Office*