

(12) **United States Plant Patent**  
**Boeder**

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(54) **CHRYSANTHEMUM PLANT NAMED**  
**'SIZZLENESS PINK'**

(50) Latin Name: *Chrysanthemum morifolium*  
Varietal Denomination: **Sizzleness Pink**

(75) Inventor: **Mark Roland Boeder**, The Hague  
(NL)

(73) Assignee: **Chrysanthemum Breeders**  
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(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

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(52) **U.S. Cl.** ..... **Plt./292**

(58) **Field of Search** ..... **Plt./292**

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(57) **ABSTRACT**

A *Chrysanthemum* plant named 'Sizzleness Pink' character-  
ized by its medium size decorative inflorescences with  
elongated quilled pink ray-florets, with a response time of 52  
days.

**3 Drawing Sheets**

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**RELATED CULTIVARS**

'Sizzleness Pink' is related to 'Sizzleness Yellow'  
(copending U.S. Plant patent application Ser. No. 10/841,  
472) and 'Sizzleness Green' (copending U.S. Plant patent  
application Ser. No. 10/841,484), which are all color sports  
of the original 'Sizzleness' (U.S. Plant patent application  
Ser. No. 10/782,856).

**BACKGROUND OF THE INVENTION**

'Sizzleness Pink' is a product of a breeding and selection  
program which had the objective of finding color mutants of  
'Sizzleness'. The new plant of the present invention com-  
prises a new and distinct cultivar of *chrysanthemum* plant  
that is a natural occurring sport of a parent *chrysanthemum*  
named 'Sizzleness'. A comparison with Parent *chrysanthemum*  
'Sizzleness' is also made in this application. The new  
cultivar was discovered as a whole plant mutation in 2002 by  
Mark Roland Boeder in a controlled environment  
(greenhouse) in Rijsenhout Holland. The first act of asexual  
reproduction of 'Sizzleness Pink' was accomplished when  
vegetative cuttings were taken from the initial selection in  
2002 in Rijsenhout Holland.

**SUMMARY OF THE INVENTION**

The present invention is a new and distinct variety of  
*chrysanthemum* bearing medium sized decorative blooms  
with elongated quilled pink ray-florets and a green center.

**BRIEF DESCRIPTION OF THE DRAWINGS**

The present invention of a new and distinct variety of  
*chrysanthemum* is shown in the accompanying drawings, the  
color being as nearly true as possible with color photographs  
of this type.

FIG. 1 shows a plant of the cultivar in full bloom.

FIG. 2 shows the various stages of bloom of the new  
cultivar.

FIG. 3 shows the foliage of the new cultivar.

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**DESCRIPTION OF THE INVENTION**

This new variety of *chrysanthemum* is of the botanical  
classification *Chrysanthemum morifolium* L. The observa-  
tions and measurements were gathered from plants grown in  
April/May in a greenhouse in Rijsenhout Holland in a  
photo-periodic controlled crop under conditions generally  
used in commercial practice. The greenhouse temperatures  
during this crop were at day-time between 18° C. and 25° C.  
and at night 20° C. After a long day period of 14 days the  
photo-periodic response time in this crop was 52 days. After  
the long day period to flowering growth retardants were  
applied 2 to 3 times in an average dose of 2.5 gram/liter  
water. No tests were done on disease or insect resistance of  
susceptibility. No tests were done on cold or drought resis-  
tance. This new variety produces medium sized blooms with  
pink ray-florets and blooming on the plant for 5 weeks. This  
new variety of *chrysanthemum* has been found to retain its  
distinctive characteristics throughout successive propaga-  
tions however the phenotype may vary significantly with  
variations in environment such as light intensity and tem-  
perature. To show the phenotype as described 'Sizzleness  
Pink' can be planted without assimilation lightning (high  
pressure sodium lamps) between week 1 and week 35 year  
under greenhouse conditions in Holland. With assimilation  
light (minimum level 2500 lux) it can be planted year round  
under greenhouse conditions in Holland.

From the cultivars known to inventor the most similar  
existing cultivars in comparison to 'Sizzleness Pink' is the  
parent 'Sizzleness' and the sport 'Sizzleness Yellow'. When  
'Sizzleness Pink', 'Sizzleness Yellow' and the parent  
'Sizzleness' are being compared the following differences  
and similarities are noticed: The difference of 'Sizzleness',  
and its sports 'Sizzleness Yellow' and 'Sizzleness Pink' is (1)  
Color ray florets. The color is for 'Sizzleness' purple and  
cream, while it is purple/yellow for 'Sizzleness Yellow' and  
pink for 'Sizzleness Pink'. For which characteristics 'Sizzle-  
ness Pink' has been selected from the original 'Sizzleness'.  
All other characteristics of 'Sizzleness' and 'Sizzleness  
Pink' are similar.

The following is a description of the plant and character-  
istics that distinguish 'Sizzleness Pink' as a new and distinct  
variety. The color designations are taken from the plant

itself. Accordingly, any discrepancies between the color designations and the colors depicted in the photographs are due to photographic tolerances. The color chart used in this description is: The Royal Horticultural Society Colour Chart, edition 1995.

TABLE 1

Botanical Description of cultivar ‘Sizzleness Pink’	
<u>Bud</u>	
Size	Medium, cross-section 0.6 cm, height 0.6 cm
Outside color	Yellow-white 158D
Involucral bracts	2 rows, length 7 mm, width 3 mm
Involucral bracts among disc-florets	Not present
Involucral bracts color	Green 138B
<u>Inflorescence</u>	
Type	Decorative
Height	3 cm
Size	Medium
Fully Expanded	6 cm
Peduncle length	Near the top 7 cm, near the middle 10 cm, near the bottom 15 cm.
Peduncle color	Green 138B
Number of inflorescences per stem	Average of 20
Performance on the plant	5 weeks
Seeds (if crossed)	Produced in small quantities, oval shaped, grey-brown 199A, 2 mm in length.
<u>Fragrance</u>	
Color	Typical <i>chrysanthemum</i>
Center of the flower	Immature Yellow-green 145B Mature Yellow-green 154C
Color of upper surface of the ray-florets	Upper surface Red-purple 70B Lower surface Red-purple 70D
Tonality from Distance	A spray mum with pink flowers and a green disc
Color of the upper surface of the ray florets after aging of the plant	Red-purple 70B
<u>Ray florets</u>	
Texture	Upper and under side smooth
Number	100
Shape	Elongated quilled
Longitudinal axis of majority	Straight
Length of corolla tube	Long; 2 cm
Ray-floret margin	Entire
Ray-floret length	2.5 cm
Ray-floret width	0.2 cm
Ratio length/width	High
Shape of tip	Rounded
<u>Disc florets</u>	
Disc diameter	0.8 cm
Distribution of disc florets	Few, only visible in mature stage of flowering.
Shape	Tubular
Color	Yellow-green 154D
Receptacle shape	Domed raised
<u>Reproductive Organs</u>	
Stamen (present in disc florets only)	Thin
Stamen color	Yellow-green 144B
Pollen	Produced in small quantity
Pollen color	Yellow-orange 14A
Styles (present in both ray and disc florets)	Thick

TABLE 1-continued

Botanical Description of cultivar ‘Sizzleness Pink’	
Style color	Yellow-green 150C
Style Length	4 mm
Stigma color	Yellow-green 145D
Stigma Width	1 mm
Ovaries	Enclosed in perianth
<u>Plant</u>	
Form	A spray mum meant for erect culture
Growth habit	Upright
Growth rate	Medium vigor
Height	90 cm
Width	28 cm
Internode length	2–3.5 cm
Spray formation	Cylindrical
Stem Color	Yellow-green 148A
Stem Strength	Strong
Stem Brittleness	Not brittle
Stem Anthocyanin Coloration	Present
Flowering Response (photo-periodic controlled crop, not natural season)	52 Days
<u>Foliage</u>	
Color immature stage	Upper side Green 137B Under side Green 138C
Color mature stage	Upper side Green 137A Under side Green 138A
Color midvein	Upper side Yellow-green 145C Under side Yellow-green 148C
Size	Medium; length 13–11 cm, width 6 cm
Quantity (number per single stem)	26–30
Shape	Elliptic
Texture upper side	Fleshy and glabrous
Texture under side	Pubescent
Venation arrangement	Palmate
Shape of the margin	Dentate
Shape of Base of Sinus Between Lateral Lobes	Diverging
Margin of Sinus Between Lateral Lobes	Rounded
Shape of Base	Obtuse
Apex	Mucronulate
Petiole length	2 cm
Petiole color	Yellow-green 145C

TABLE 2

Differences with the comparison Varieties			
	‘Sizzleness Pink’	‘Sizzleness Yellow’	‘Sizzleness’
Color ray-florets	Red-purple 70B	Greyed-red 182B with Yellow 10A at edges	Purple-violet 80C and Yellow 4D at edges

I claim:

1. A new and distinct variety of *chrysanthemum* plant as described and illustrated.

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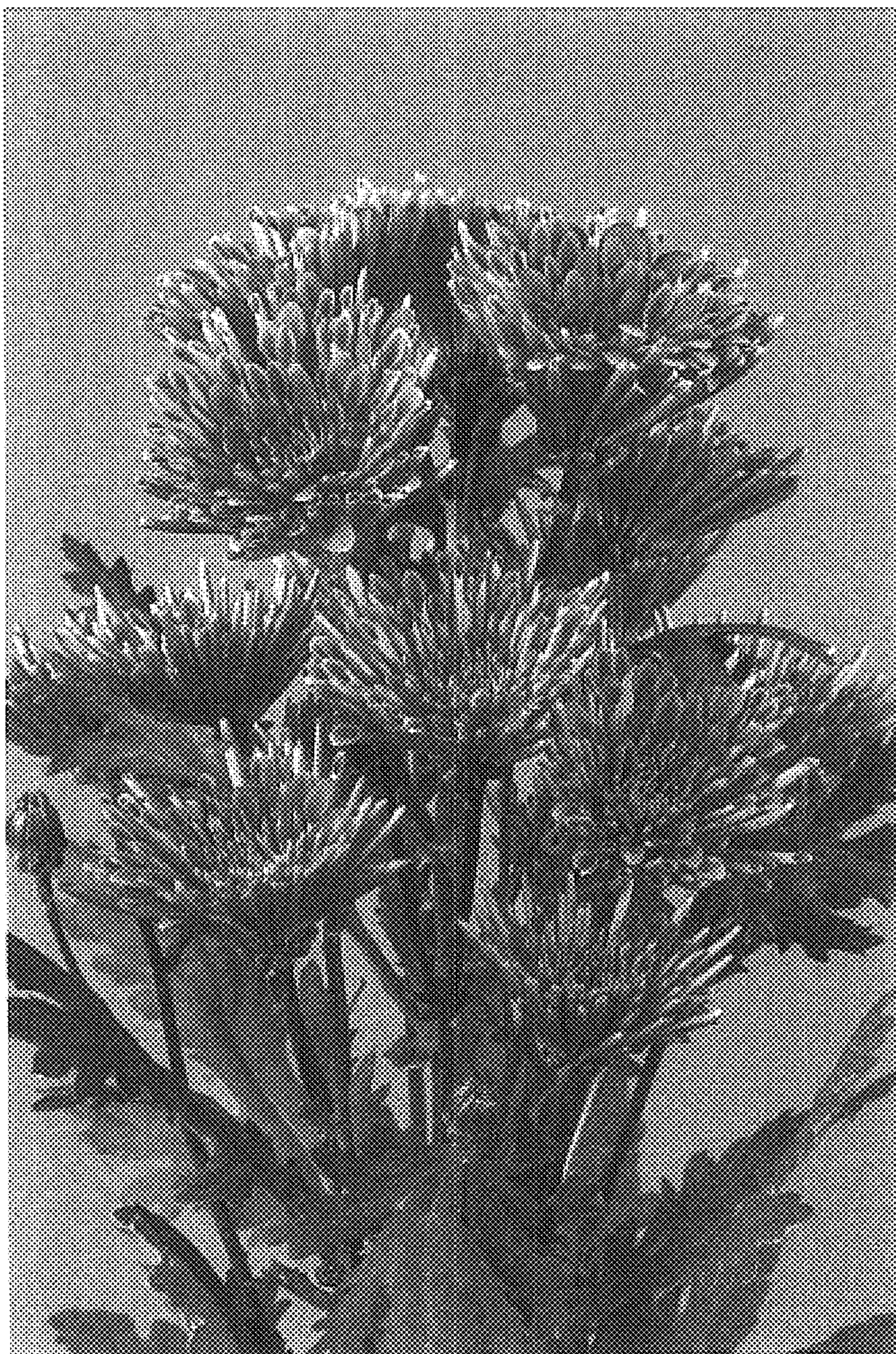


FIG. 1



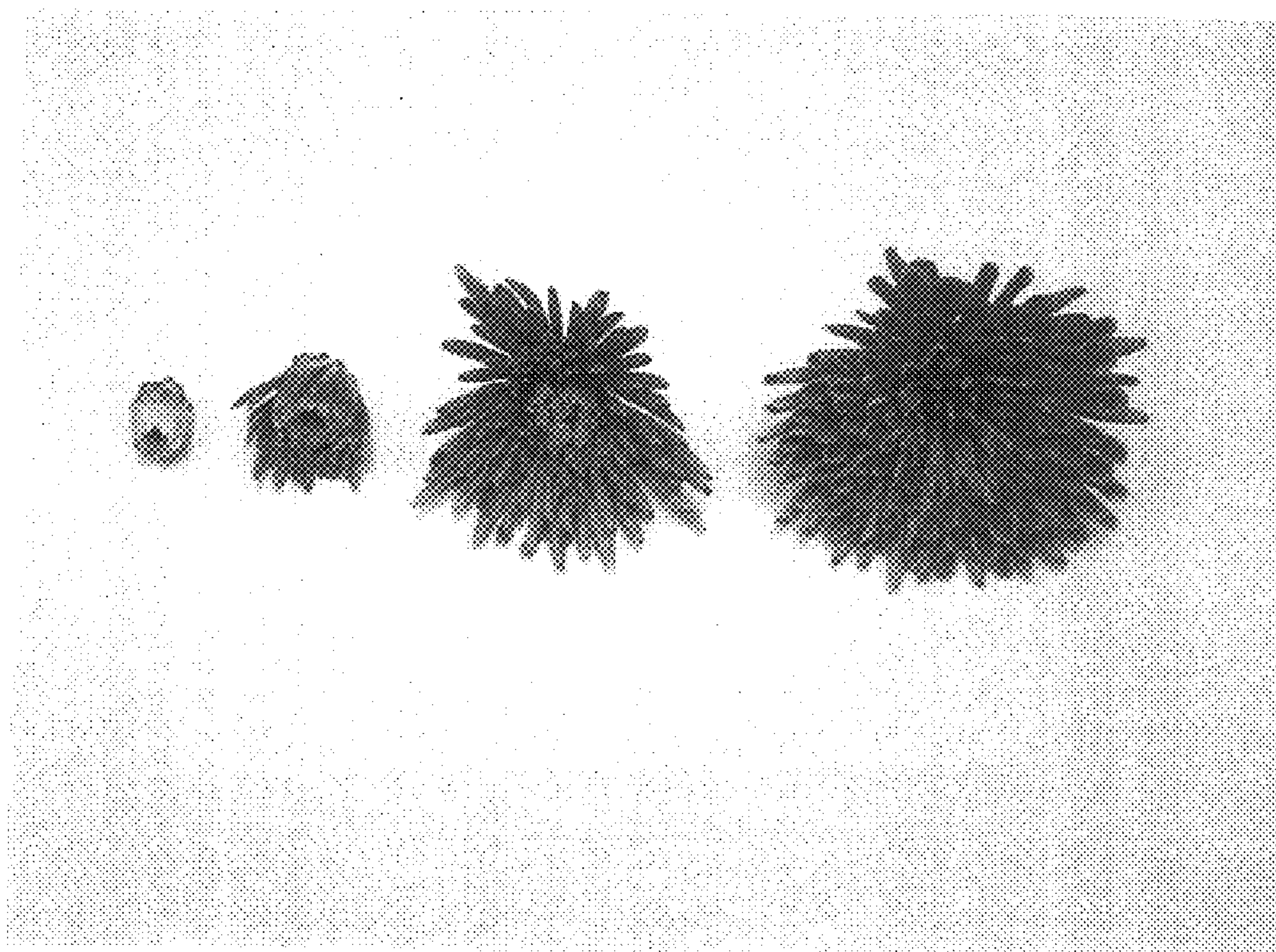


FIG. 2



FIG. 3