



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

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(54) **CHRYSANTHEMUM PLANT NAMED**
'ZANMURAGEOUS'

(50) Latin Name: *Chrysanthemum*×*morifolium* Ramat.
Varietal Denomination: **Zanmurageous**

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patent is extended or adjusted under 35
U.S.C. 154(b) by 2 days.

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(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.**
USPC **Plt./290**

(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A Chrysanthemum plant named 'Zanmurageous' character-
ized by its medium sized blooms with orange red ray florets
and prolific branching; natural season flowering date Septem-
ber 19 (week 38); blooming for a period of 4 weeks.

3 Drawing Sheets

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Botanical designation: *Chrysanthemum*×*morifolium*
Ramat.

Cultivar denomination: 'Zanmurageous'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Chrysanthemum* plant, botanically known as *Chrysanthemum*×*morifolium* Ramat., commercially known as a garden
mum, and hereinafter referred to by the cultivar denomination
'Zanmurageous'. 'Zanmurageous' is a product of a breeding
and selection program for outdoor pot mums (garden mums)
which had the objective of creating new cultivars with a
double type inflorescence, a natural season flowering date
around September 19 (week 38), blooming for a period of 4
weeks. 'Zanmurageous' is a seedling resulting from a cross of
the female parent id 24610 with the male parent id 22135.
Plants of the new cultivar 'Zanmurageous' differ from plants
of the female parent in the color of the ray-florets; the ray-
florets of the female parent are red, while those of the seedling
are orange. Plants of the new cultivar 'Zanmurageous' differ
from plants of the male parent in the following characteris-
tics. (1) Color ray-florets. And (2) Plant vigor. (1). Ray-florets
of the male parent are more deeply orange colored than those
of the seedling. (2). Plants of the male parent are less vigorous
than those of the seedling.

The new and distinct cultivar was discovered and selected
as a flowering plant by Wilhelmus Bemardus Blom on a
cultivated field in Rijnsenhout, The Netherlands in 2006. The
first act of asexual production of 'Zanmurageous' was accom-
plished when vegetative cuttings from the initial selection in
2006 were propagated further in a controlled environment in
Rijnsenhout, The Netherlands. The new cultivar has been
found to retain its distinctive characteristics through succes-
sive propagations.

BRIEF DESCRIPTION OF THE DRAWINGS

The present invention of a new and distinct variety of
Chrysanthemum (of about 17 weeks) is shown in the accom-

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panying 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 cul-
tivar.

FIG. 3 shows the various stages of foliage of the new
cultivar.

DESCRIPTION OF THE INVENTION

The observations and measurements were gathered from
plants grown out door in Rijnsenhout, The Netherlands under
natural day length and temperature and planted in week 22 in
2011. The natural blooming date of this crop was September
19 (week 38). The average height of the plants was 30 cm. No
growth retardants were used. No tests were done on disease or
insect resistance or susceptibility. No tests were done on cold
or drought tolerance. This new variety produces medium
sized blooms with orange red ray florets blooming for a
period of 4 weeks.

From the cultivars known to inventor the most similar
existing cultivar in comparison to 'Zanmurageous' is 'Zan-
mutomic' (U.S. Plant Pat. No. 21,183). When 'Zanmutomic'
and 'Zanmurageous' are being compared the following dif-
ferences are noticed: (1) Number ray-florets. And (2) Color
ray-florets. (1) The number of ray-florets is lower in 'Zanmu-
tomic' than in 'Zanmurageous'. (2) The orange colored ray-
florets are more reddish in 'Zanmurageous' than in 'Zanmu-
tomic'.

The following is a description of the plant and character-
istics that distinguish 'Zanmurageous' as a new and distinct
variety.

The color designations are taken from the plant itself.
Accordingly, any discrepancies between the color designa-
tions and the colors depicted in the photographs are due to
photographic tolerances. The color chart used in this descrip-
tion is: The Royal Horticultural Society Colour Chart, edition
2001.

TABLE 1

Botanical Description of <i>Chrysanthemum</i> x <i>morifolium</i> Ramat. ‘Zanmurageous’	
Bud	
Size:	Small; cross-section 6 mm, height 5 mm
Shape:	Round
Texture:	Pubescent
Outside color:	Greyed-green 191A
Phyllaries	
Number:	24, arranged in 3 rows
Shape:	Elliptic
Apex:	Acute
Base:	Truncate
Margin:	Entire
Color:	Upper side: Green 138A Lower side: Green 137A
Length and width:	8 mm; 2 mm
Texture:	Pubescent
Inflorescences	
Type:	Double
Height:	2.5 cm
Diameter:	5.5 cm
Peduncle length:	4-7 cm
Peduncle color:	Greyed-green 191A
Peduncle diameter:	1.5-2.mm
Peduncle texture:	Pubescent
Number per branch:	Approx. 7 inflorescences
Duration of flowering:	4 weeks
Seeds:	Produced in small quantities, ovate, Greyed-brown 199A, length 1.5 mm, diameter 0.5 mm
Fragrance:	Faint <i>chrysanthemum</i> odor
Color	
Center of inflorescence:	Immature stage: Greyed-red 178A; Mature stage: Greyed-red 178B
Color of upper side of ray florets:	Greyed-red 179B
Color of lower side of ray florets:	Greyed-orange 175D
Tonality from distance:	A garden mum with orange red blooms
Color of ray florets after aging of the plant:	Greyed-orange N170B
Ray florets	
Texture:	Upper and lower side smooth
Number:	250-260
Shape:	Elliptic
Apex:	Pointed to Dentate
Base:	Attenuate
Cross-section:	Concave
Longitudinal axis:	Incurving
Length of corolla tube:	5 mm
Ray floret margin:	Entire
Ray floret length:	2-2.2 cm
Ray floret width:	2.5 mm
Ratio length/width:	High
Disc florets	Absent
Receptacle	
Color:	Yellow-green 145D
Shape:	Conical raised
Height:	7 mm
Diameter:	5 mm
Reproductive Organs	
Androecium:	Absent
Gynoecium:	Present in ray florets
Style color:	Yellow-green 154C
Style length:	3 mm
Stigma color:	Yellow 7A

TABLE 1-continued

Botanical Description of <i>Chrysanthemum</i> x <i>morifolium</i> Ramat. ‘Zanmurageous’		
5	Stigma width:	1 mm
	Ovary:	Enclosed in calyx
	Plant	
	Form:	Grown as a spray type pot <i>mum</i> , outdoor raised and mounded
10	Growth habit:	Spherical shape
	Growth rate:	Medium
	Height:	30 cm
	Width:	40-50 cm
	Stem color:	Greyed-brown 199A
	Stem strength:	Strong
15	Stem brittleness:	Not brittle
	Stem anthocyanin coloration:	Not observed
	Internode length:	3 cm
	Length of lateral branch:	From top to bottom 18-20 cm
20	Lateral branch color:	Green 137 C
	Lateral branch, attachment:	Brittle
	Lateral branch diameter:	3-4 mm
	Branching (average number of lateral branches):	Prolific with 8 breaks after pinching
25	Natural season blooming date:	September 19 (week 38-41)
	Foliage	
	Leaf color:	Upper side: Green 137A; Lower side: Green 138A
30	Color midvein:	Upper side: Yellow-green 147D; Lower side: Yellow-green 148D
	Size:	Small; length 4-7 cm, width 2-3.5 cm
	Quantity (number per lateral branches):	14-16
35	Shape:	Elliptic
	Texture upper side:	Sparsely pubescent
	Texture under side:	Pubescent
	Venation arrangement:	Palmate
	Shape of margin:	Serrated
	Shape of base of sinus between lateral lobes:	Rounded
40	Margin of sinus between lateral lobes:	Diverging
	Shape of base:	Attenuate to truncate
	Apex:	Mucronulate
	Petiole length:	1-2.5 cm
	Petiole diameter:	1.5 mm
45	Petiole color:	Yellow-green 147D

TABLE 2

50	Differences with the comparison variety (when grown under identical conditions)		
		‘Zanmurageous’	‘Zanmutomic’
	Number ray-florets	250-260	130
55	Color upper side ray-florets	Greyed-red 179B	Greyed-orange 172A

I claim:

1. A new and distinct *Chrysanthemum* plant named ‘Zanmurageous’ as described and illustrated.

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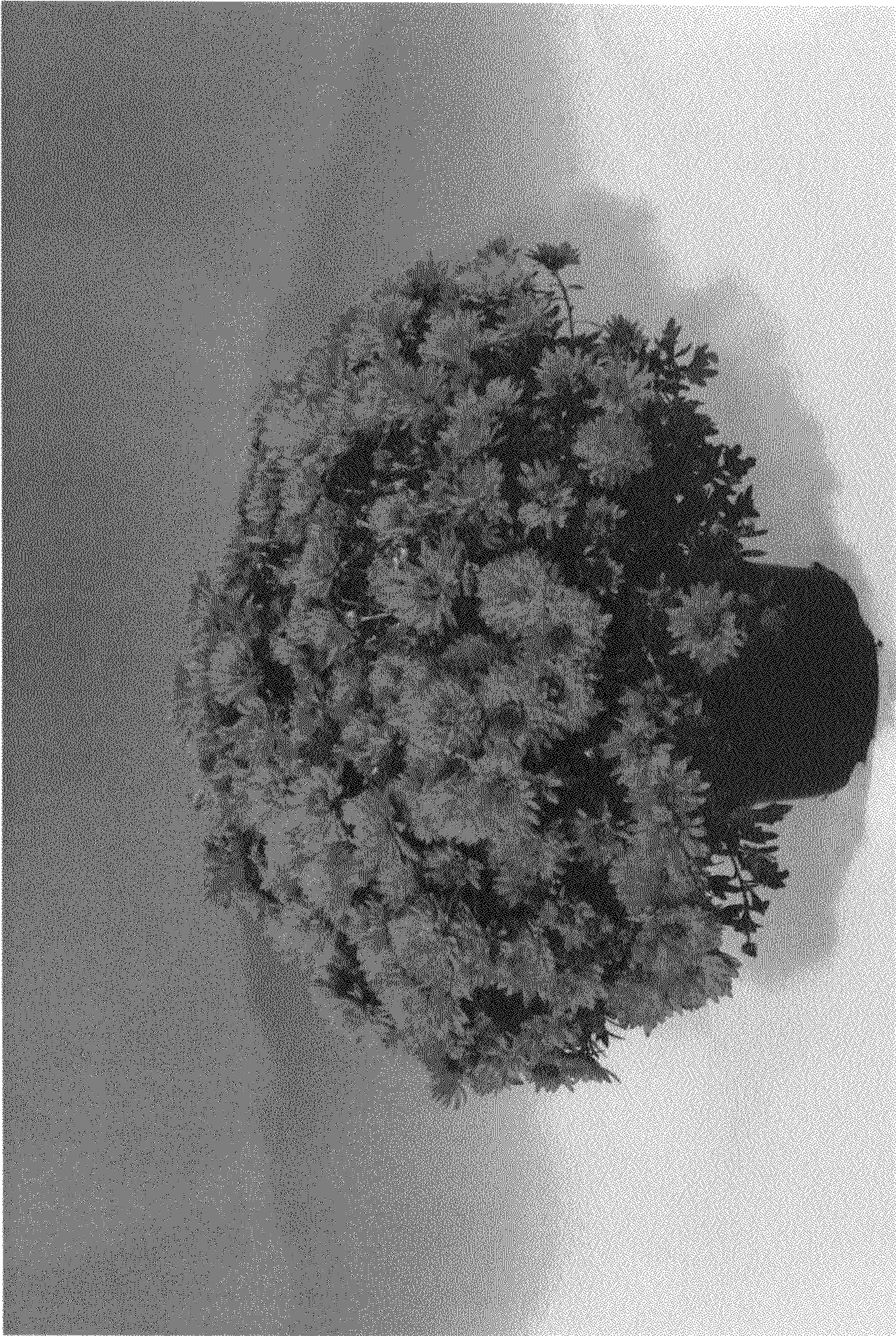


FIG. 1

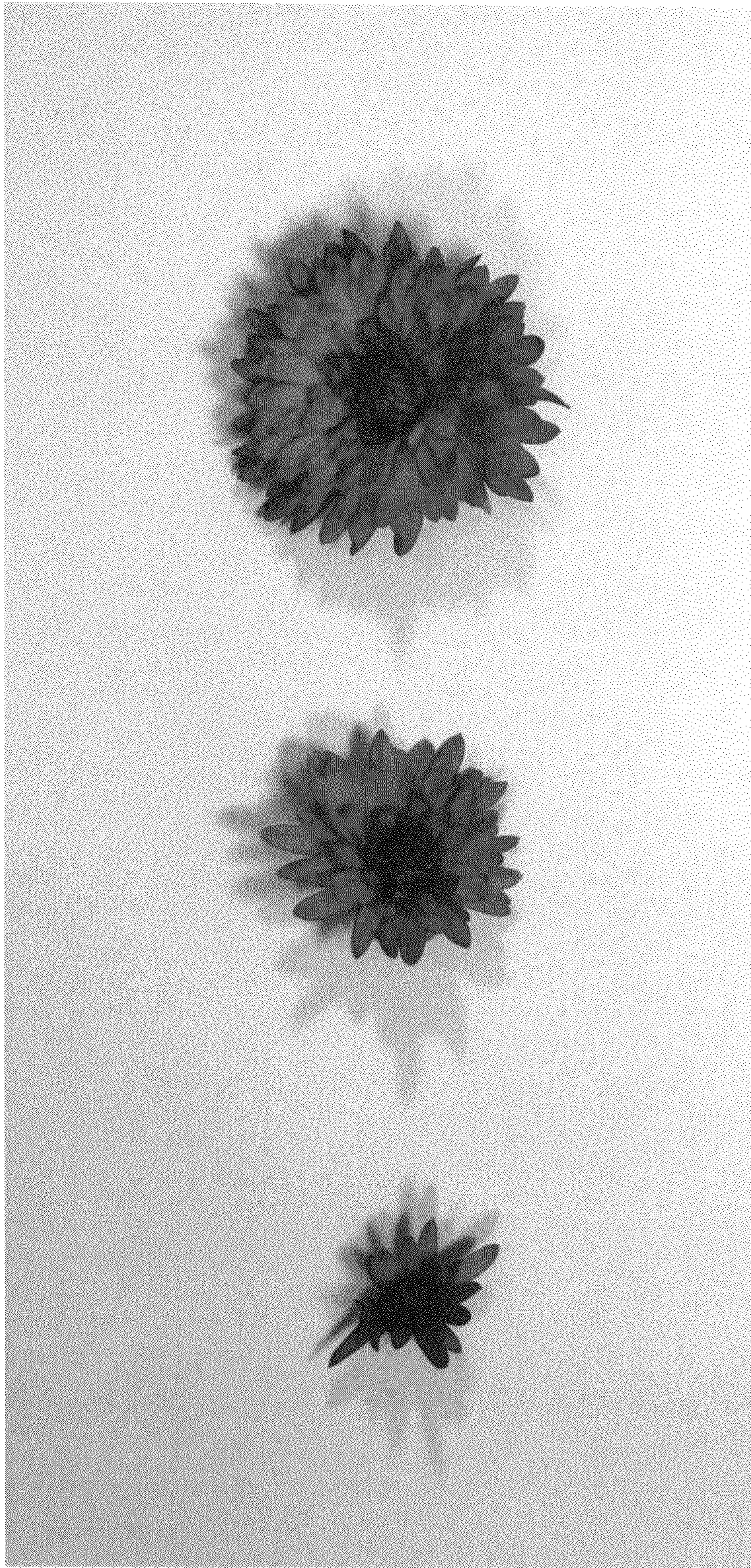


FIG. 2



FIG. 3