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

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

(65) **Prior Publication Data**
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(50) Latin Name: *Chrysanthemum*×*morifolium* Ramat.
Varietal Denomination: **Zanmurageous**

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

(71) Applicant: **Chrysanthemum Breeders Association**
Research B.V., Aalsmeer (NL)

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

(72) Inventor: **Wilhelmus Bernardus Blom,**
Leimuiden (NL)

(58) **Field of Classification Search**
USPC Plt./290
See application file for complete search history.

(73) Assignee: **Chrysanthemum Breeders Association**
Research B.V., Valkenburg (NL)

Primary Examiner — Anne Grunberg
(74) *Attorney, Agent, or Firm* — Steptoe & Johnson LLP

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 2 days.

(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.

(21) Appl. No.: **13/694,697**

3 Drawing Sheets

(22) Filed: **Dec. 26, 2012**

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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 *Chrysanthe-*
mum×*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 Rijsenhout, 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
Rijsenhout, 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-
5 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 Rijsenhout, The Netherlands under
natural day length and temperature and planted in week 22 in
2011. The natural blooming date of this crop was September
10 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
15 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-
20 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-
35 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 x morifolium</i> Ramat. 'Zanmurageous' | |
|---|--|
| <u>Bud</u> | |
| Size: | Small; cross-section 6 mm, height 5 mm |
| Shape: | Round |
| Texture: | Pubescent |
| Outside color: | Greyed-green 191A |
| <u>Phyllaries</u> | |
| 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 |
| <u>Inflorescences</u> | |
| 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 |
| <u>Color</u> | |
| 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 |
| <u>Ray florets</u> | |
| 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 |
| <u>Receptacle</u> | |
| Color: | Yellow-green 145D |
| Shape: | Conical raised |
| Height: | 7 mm |
| Diameter: | 5 mm |
| <u>Reproductive Organs</u> | |
| 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 x morifolium</i> Ramat. 'Zanmurageous' | |
|---|---|
| 5 | Stigma width: 1 mm |
| | Ovary: Enclosed in calyx |
| <u>Plant</u> | |
| | 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) |
| <u>Foliage</u> | |
| | 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 |
| 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.

* * * * *

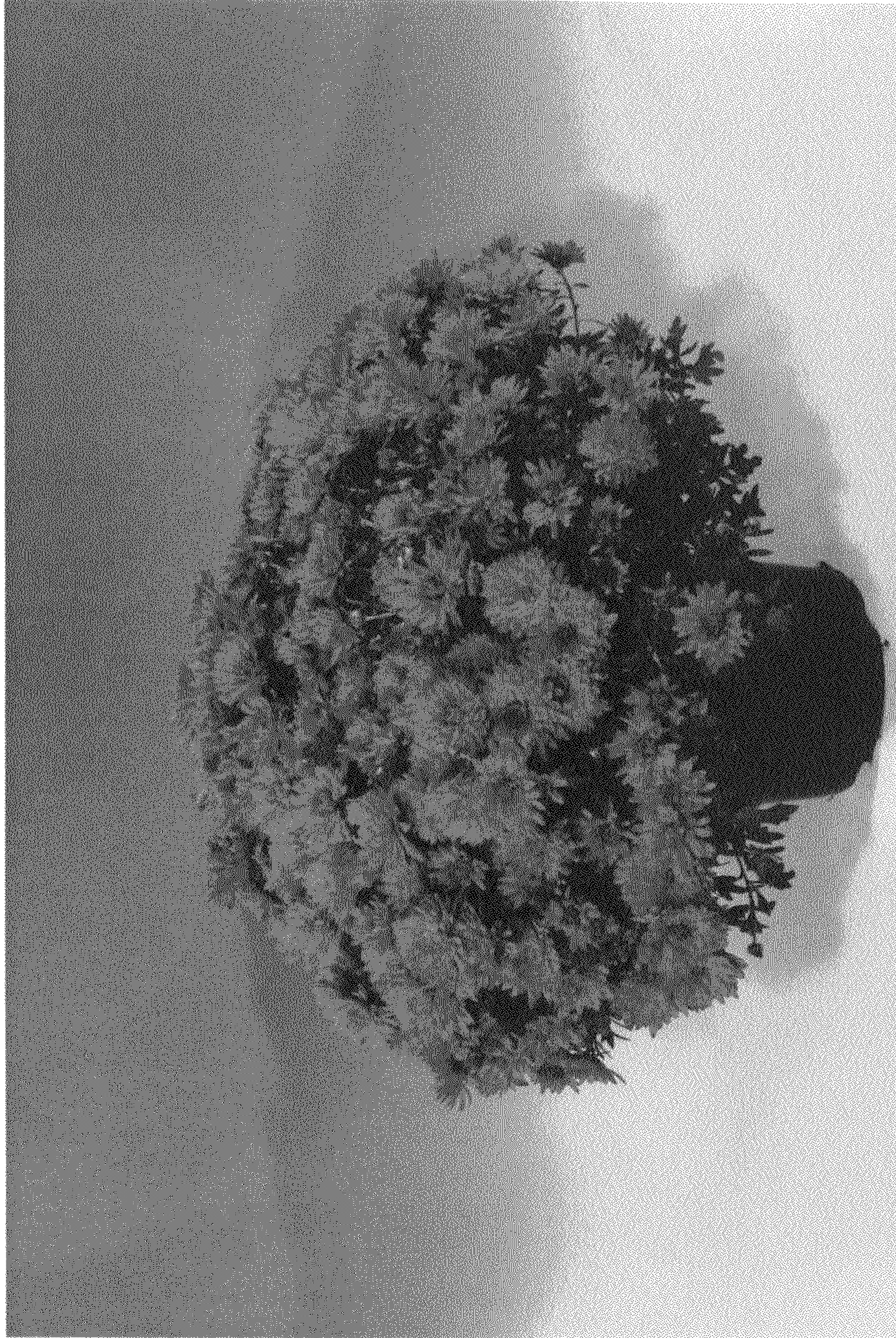


FIG. 1

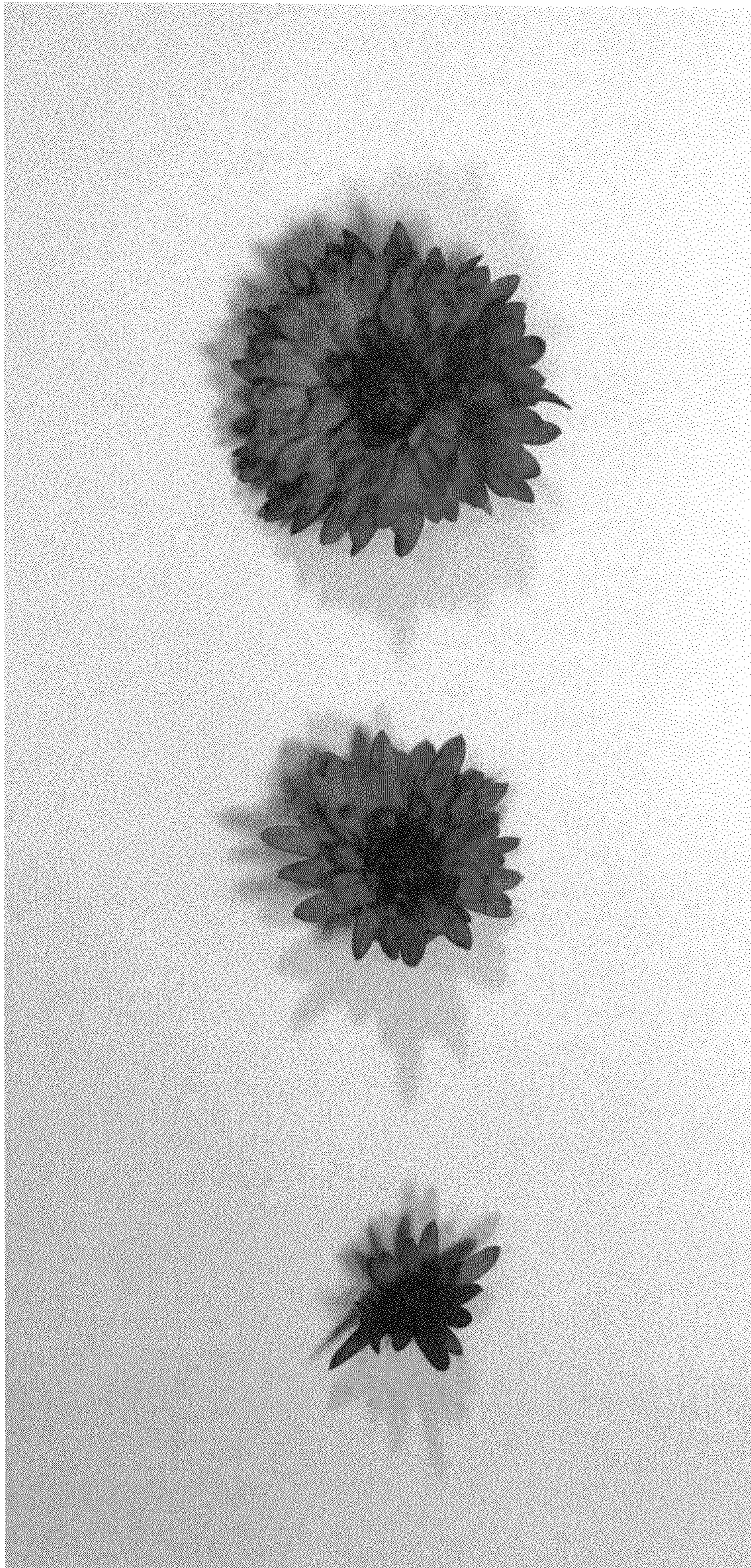


FIG. 2

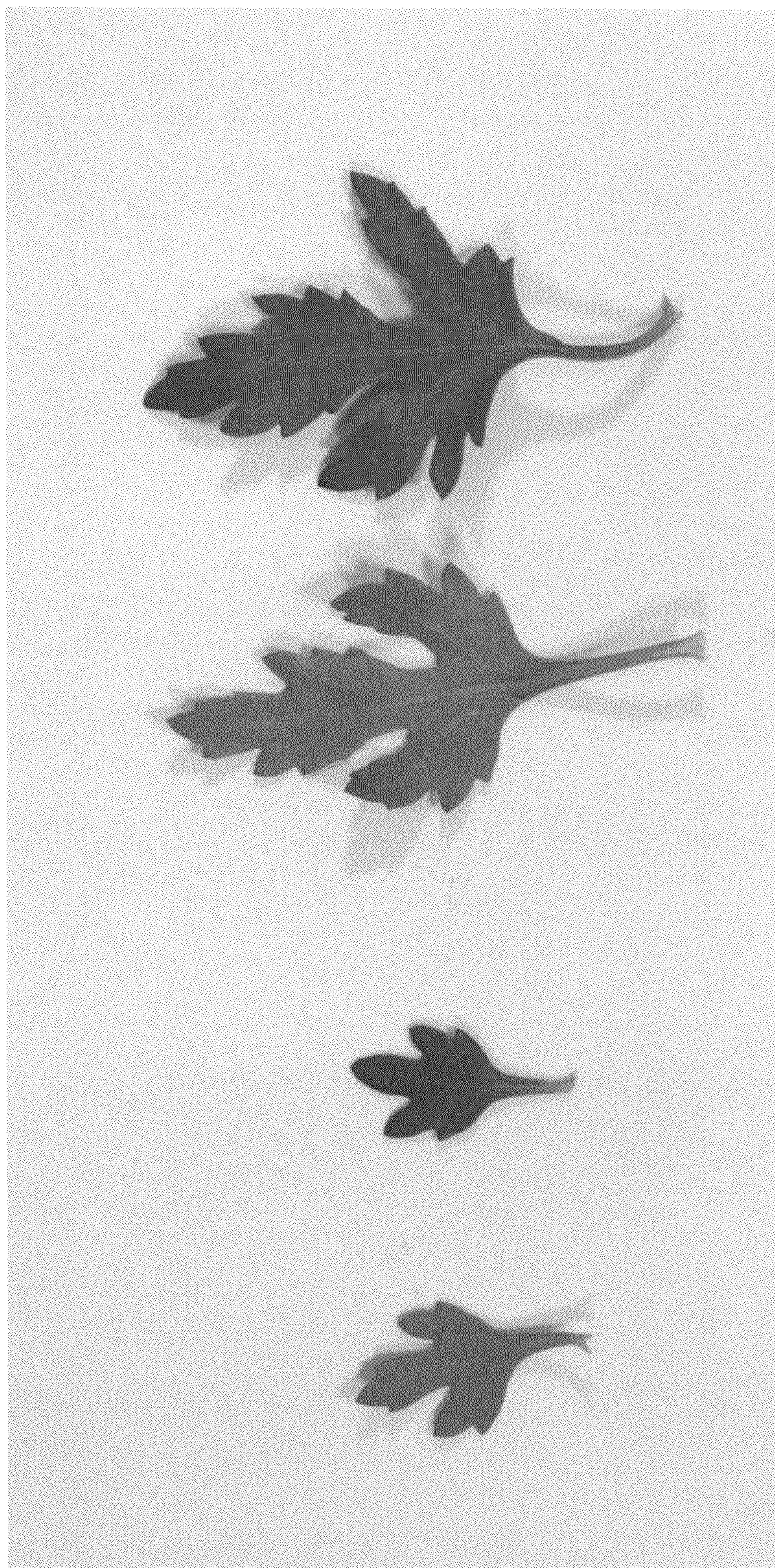


FIG. 3