



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

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

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

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

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

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

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patent is extended or adjusted under 35
U.S.C. 154(b) by 183 days.

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(65) **Prior Publication Data**

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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.

Primary Examiner — Anne Grunberg

(74) *Attorney, Agent, or Firm* — Steptoe & Johnson LLP

(57) **ABSTRACT**

A *chrysanthemum* plant named 'Zanmucrush' characterized
by its small sized blooms with bronze ray florets with a dark
center and prolific branching; natural season flowering date
October 8 (week 41); blooming for a period of five weeks.

3 Drawing Sheets

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

Cultivar denomination: 'Zanmucrush'.

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
'Zanmucrush'. 'Zanmucrush' 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 October 8 (week 41), blooming for a period of 4
weeks. 'Zanmucrush' is a seedling resulting from a cross of
the female parent id 16023 with the male parent id 28181.
Plants of the new cultivar 'Zanmucrush' differ from plants of
the female parent in inflorescence size; the inflorescences of
the seedling are smaller than those of the female parent.
Plants of the new cultivar 'Zanmucrush' differ from plants of
the male parent in the following characteristics. (1) Color
ray-florets. And (2) Inflorescence type. (1) The ray-florets of
the seedling are orange and those of the male parent are red.
(2) The inflorescence type of the seedling is double, while that
of the male parent is semi-double.

The new and distinct cultivar was discovered and selected
as a flowering plant by Wilhelmus Bernardus Blom on a
cultivated field in Rijsenhout, The Netherlands in 2008. The
first act of asexual production of 'Zanmucrush' was accom-
plished when vegetative cuttings from the initial selection in
2008 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 19 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 Rijsenhout, The Netherlands under
natural day length and temperature and planted in week 23 in
2012. The natural blooming date of this crop was October 8
(week 41). The average height of the plants was 40 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 small sized
blooms with bronze ray florets with a dark center blooming
for a period of 5 weeks. From the cultivars known to inventor
the most similar existing cultivar in comparison to 'Zanmu-
crush' is 'Zanmutomic' (U.S. Plant Pat. No. 21,183). When
'Zanmucrush' and 'Zanmutomic' are being compared the
following differences are noticed: (1) Plant vigor and (2)
Natural season flowering date. (1) Plants of 'Zanmucrush' is
more vigorous than those of 'Zanmutomic'. (2) Plants of
'Zanmucrush' flower later in the season than those of 'Zan-
mutomic'.

The following is a description of the plant and character-
istics that distinguish 'Zanmucrush' 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> × ‘ <i>morifolium</i> Ramat. ‘Zanmucrush’	
Bud	
Size:	Small; cross-section 5 mm, height 6 mm
Shape:	Round
Texture:	Pubescent
Outside color:	Greyed-green 191A
Phyllaries	
Number:	22-24, arranged in 3 rows
Shape:	Elliptic
Apex:	Acute
Base:	Truncate
Margin:	Entire
Color:	Upper side: Greyed-green 194A Lower side: Green 138A
Length and width:	4 mm; 1.5 mm
Texture:	Pubescent
Inflorescences	
Type:	Double
Height:	1.5 cm
Diameter:	3 cm
Peduncle length:	5-7.5 cm
Peduncle color:	Green 138B
Peduncle diameter:	1.5 mm
Peduncle texture:	Pubescent
Number per branch:	Approx. 6 inflorescences
Duration of flowering:	5 weeks
Seeds:	Produced in small quantities, ovate, Greyed-brown 199A, length 1.5 mm, diameter 0.5 mm
Fragrance:	Faint chrysanthemum odor
Color inflorescences	
Center of inflorescence:	Immature stage: Greyed-orange 175B Mature stage: Greyed-orange 166C
Color of upper side of ray florets:	Greyed-orange 163B overlain with Greyed-orange 166B.
Color of lower side of ray florets:	Greyed-orange N170A
Tonality from distance:	A garden mum with bronze blooms and a dark center
Color of ray florets after aging of the plant:	Greyed-orange 163C
Ray florets	
Texture:	Upper and lower side smooth
Number:	150-160
Shape:	Elliptic
Apex:	Dentate
Base:	Attenuate
Cross-section:	Flat
Longitudinal axis:	Straight
Length of corolla tube:	3-4 mm
Ray floret margin:	Entire
Ray floret length:	0.7-1.7 cm
Ray floret width:	1-4 mm
Ratio length/width:	Medium
Disc florets	None
Receptacle	
Color:	Yellow-green 145D
Shape:	Domed raised
Height:	3 mm
Diameter:	2.5 mm
Reproductive Organs	
Androecium:	Absent
Pollen:	Absent

TABLE 1-continued

Botanical Description of ‘ <i>Chrysanthemum</i> × ‘ <i>morifolium</i> Ramat. ‘Zanmucrush’	
5	Gynoecium: Present on ray florets Style color: Yellow-green 154C Style length: 4 mm Stigma color: Yellow 7A Stigma width: 1 mm Ovary: Enclosed in calyx
10	Plant
	Form: Grown as a spray type pot mum, outdoor raised and mounded
	Growth habit: Spherical shape
	Growth rate: High
15	Height: 4 0 cm Width: 55-60 cm Stem color: Greyed-brown 199A Stem strength: Strong Stem brittleness: Not brittle Stem anthocyanin coloration: Not observed
20	Internode length: 2.5-3 cm Length of lateral branch: From top to bottom 22-24 cm Lateral branch color: Green 137 C Lateral branch, attachment: medium strength Lateral branch diameter: 2 mm Branching (average number of lateral branches): Prolific with 8 break after pinching
25	Natural season blooming date: October 8 (week 41) Foliage
	Leaf color: Upper side: Green 137A Lower side: Green 137C
	Color midvein: Upper side: Yellow-green 147D Lower side: Yellow-green 148D
30	Size: Small; length 2-5.5 cm, width 1.5- 2.8 cm Quantity (number per lateral branches): 16-18 Shape: Broadly elliptic Texture upper side: Sparsely pubescent Texture under side: Pubescent
35	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: 0.3-1.2 cm Petiole diameter: 1.5 mm Petiole color: Yellow-green 147D

TABLE 2

Differences with the comparison varieties, when grown under identical conditions		
50	‘Zanmucrush’	‘Zanmutomic’
	Plant height	40 cm 25 cm
	Plant width	50-55 cm 45 cm
	Natural season flowering date	week 41 week 37

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I claim:

1. A new and distinct *chrysanthemum* plant named ‘Zan-
mucrush’ as described and illustrated.

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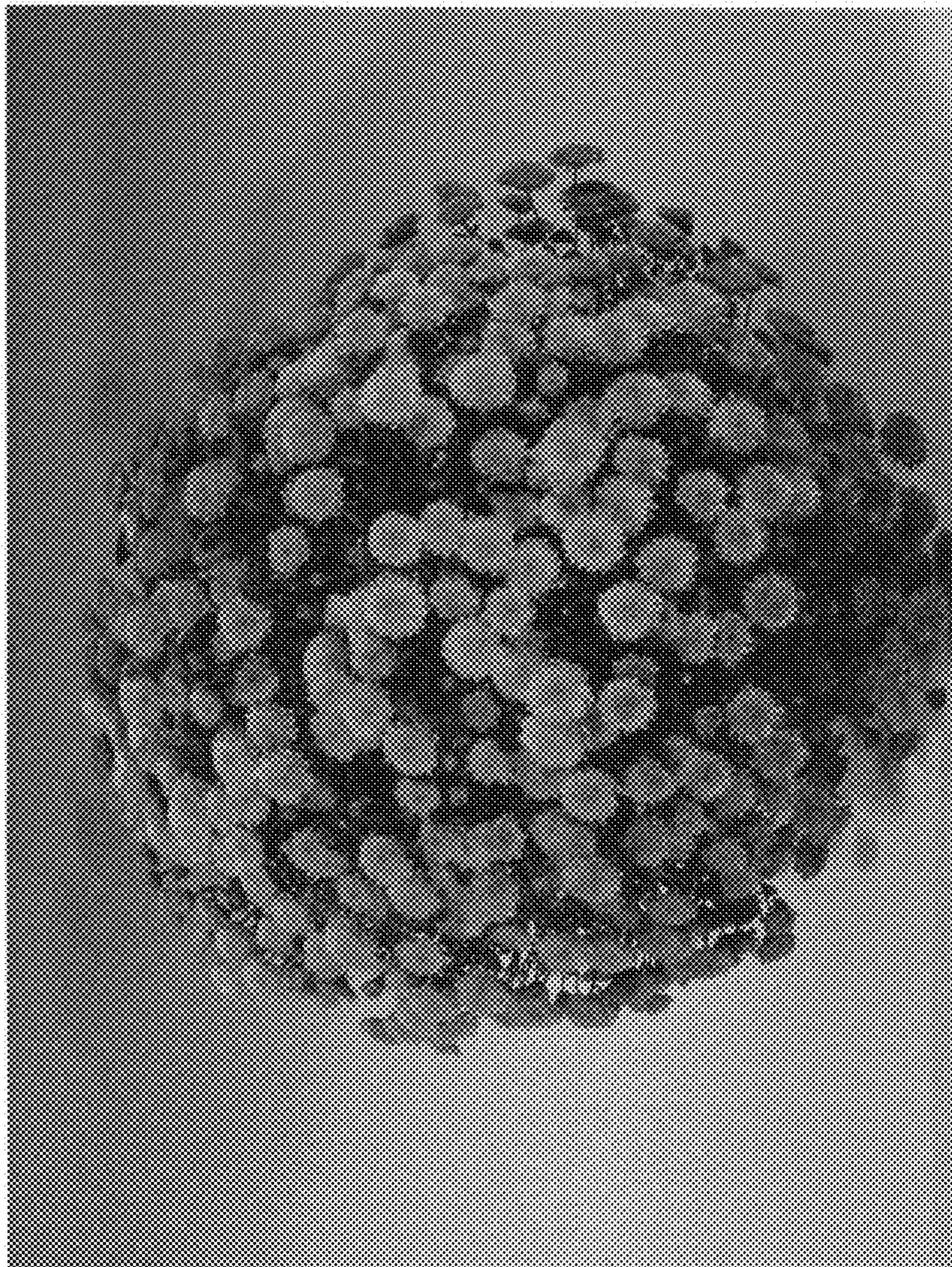


FIG. 1

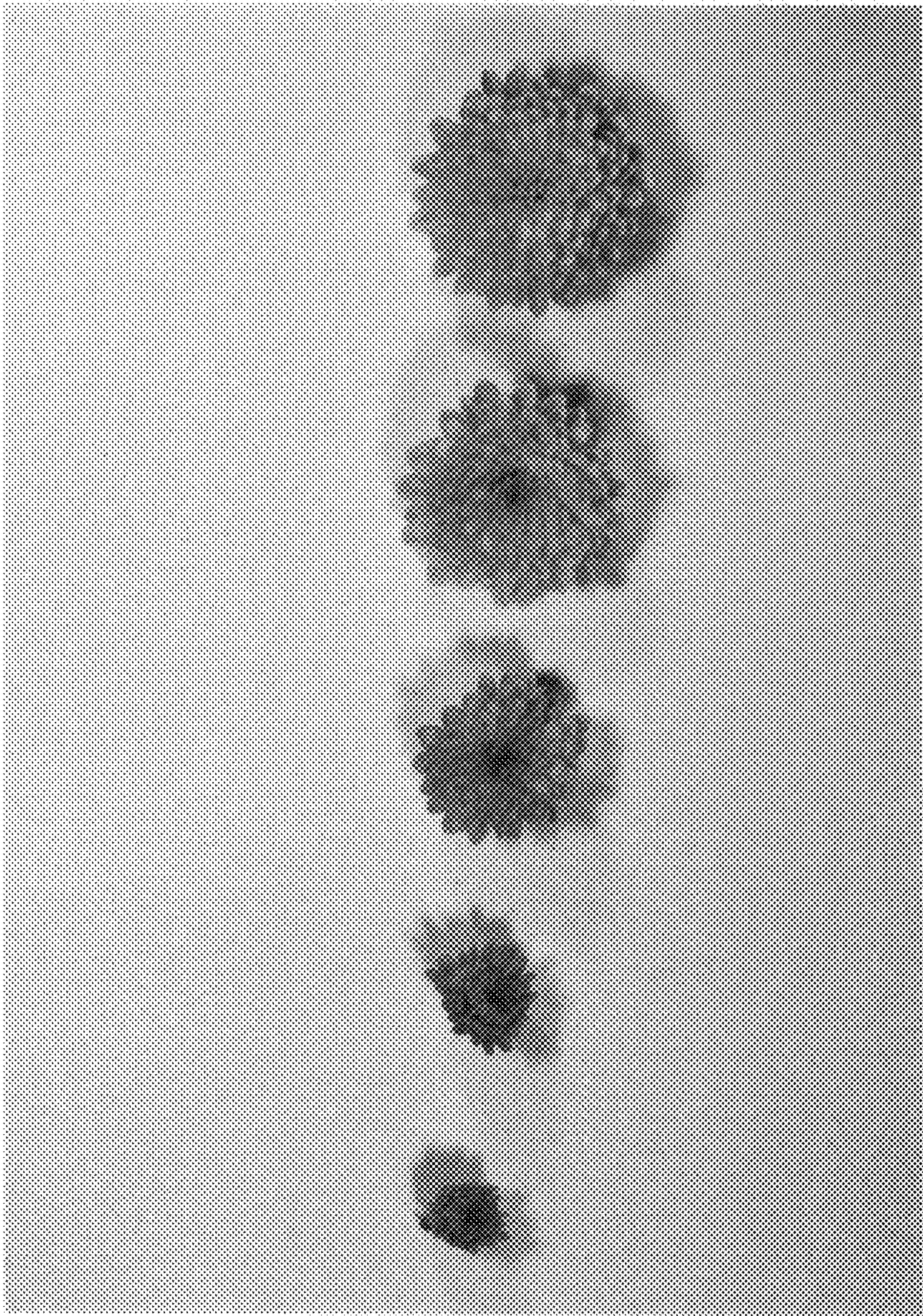


FIG. 2

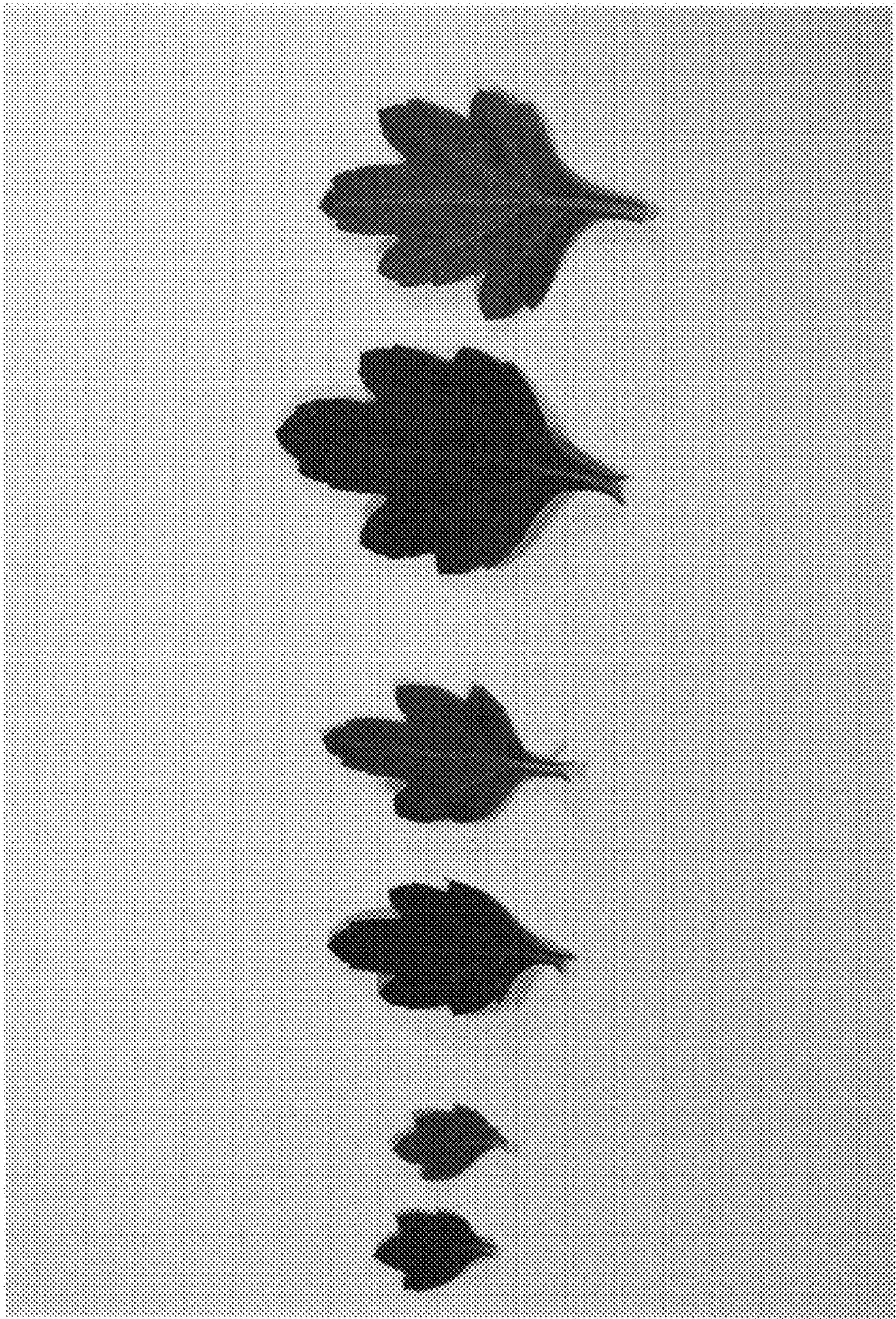


FIG. 3