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

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

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

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patent is extended or adjusted under 35
U.S.C. 154(b) by 85 days.

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(65) **Prior Publication Data**

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(51) **Int. Cl.**
A01H 5/02 (2006.01)

(52) **U.S. Cl.**
USPC **Plt./293**

(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 'Zanmublush' characterized
by its medium sized blooms with dark red ray florets and
prolific branching; natural season flowering date September
21; blooming for a period of 5 weeks.

3 Drawing Sheets

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

Cultivar denomination: 'Zanmublush'.

RELATED CULTIVARS

This new plant cultivar 'Zanmublush' is of the botanical
classification *Chrysanthemum*×*morifolium* Ramat.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *chrysanthemum* plant, botanically known as *Chrysante-*
mum×*morifolium* Ramat., commercially known as a garden
mum, and hereinafter referred to by the cultivar denomina-
tion 'Zanmublush'. 'Zanmublush' 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 21, blooming for a period of 5 weeks.
'Zanmublush' is a seedling resulting from a cross of the
female parent 36787 (unpatented) with the male parent
33503 (unpatented). Plants of the new cultivar 'Zan-
mublush' differ from plants of the female parent in the
following characteristic. (1) Natural season flowering date—
Plants of the seedling flower one week later than those of the
female parent. Plants of the new cultivar 'Zanmublush'
differ from plants of the male parent in the following
characteristics. (1) Natural season flowering date—Plants of
the seedling flower about two weeks earlier than those of the
male parent. (2) Inflorescence size—Blooms of the seedling
are larger than those of the male parent.

The new and distinct cultivar was discovered and selected
as a flowering plant by Henricus Cornelius Maria Jacobs on
a cultivated field in Rijsenhout, The Netherlands in May
2011. The first act of asexual production of 'Zanmublush'
was accomplished in July 2011 when vegetative cuttings
from the initial selection were propagated further in a

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controlled environment in Rijsenhout, the Netherlands. In
summer, about 6-8 days are needed to initiate roots in
cuttings of the new cultivar, after another 5 days rooted
plants are formed. The new cultivar has been found to retain
its distinctive characteristics through successive propaga-
tions.

BRIEF DESCRIPTION OF THE DRAWINGS

The present invention of a new and distinct variety of
chrysanthemum (of about 18 weeks) is shown in the accom-
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
cultivar.

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

DESCRIPTION OF THE INVENTION

The observations and measurements were gathered from
plants in the period of 16 to 21 weeks of age grown outdoor
in Rijsenhout, the Netherlands, under natural day length and
temperature and planted in week 23 in 2015, receiving drip
irrigation. The natural blooming date of this crop was
September 21 (week 39). 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 dark red ray
florets blooming for a period of 5 weeks.

From the cultivars known to the inventor the most similar
existing cultivar in comparison to 'Zanmublush' is 'Zan-
muhots' (U.S. Plant patent application Ser. No. 13/998,
972.). When 'Zanmuhots' and 'Zanmublush' are being com-
pared the following difference is noticed: The differences of
'Zanmuhots' and 'Zanmublush' are (1). Natural season

flowering date. And (2). Plant vigor. (1). Plants of 'Zanmublush' flower later in the season than plants of 'Zanmuhots'. (2). Plants of 'Zanmublush' are less vigorous than plants of 'Zanmuhots'.

The following is a description of the plant and characteristics that distinguish 'Zanmublush' 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 2001.

TABLE 1

Botanical Description of <i>Chrysanthemum × morifolium</i> Ramat. 'Zanmublush'	
Bud	
Size:	Small; cross-section 5 mm, height 4 mm
Shape:	Round
Texture:	Pubescent
Outside color:	Greyed-green 191B
Phyllaries	
Number:	24-26, arranged in 3 rows
Shape:	Elliptic
Apex:	Acute
Base:	Truncate
Margin:	Entire
Color:	Upper side: Green 137C Lower side: Greyed-green 191B
Length and width:	3 mm; 1 mm
Texture:	Pubescent
Inflorescences	
Type:	Double
Height:	1.5 cm
Diameter:	4.5-5 cm
Peduncle length:	5.5-10 cm
Peduncle color:	Greyed-green 194A
Peduncle diameter:	2 mm
Peduncle texture:	Pubescent
Number per branch:	About 4-5 inflorescences
Duration of flowering:	5 weeks
Seed set:	Has not been determined to date
Fragrance:	Faint chrysanthemum odor
Color inflorescences	
Center of inflorescence:	Greyed-purple 187A
Color of upper side of ray florets:	Outer rows: Greyed-purple 183B; Inner Rows: Greyed-purple 187A
Color of lower side of ray florets:	Outer rows: Greyed-red 178B; Inner rows: Greyed-purple 187A
Tonality from distance:	A garden mum with dark red blooms and a purple center
Color of ray florets after aging of the plant:	Greyed-purple 183B
Ray florets	
Number of types:	One
Type:	Ligulate
Texture:	Upper and lower side smooth
Number:	170-190
Shape:	Outer rows: Elliptic; Inner rows: Narrowly elliptic
Apex:	Outer rows: Dentate; Inner rows: Rounded
Base:	Acute
Cross-section:	Outer rows: Flat; Inner rows: Concave

TABLE 1-continued

Botanical Description of <i>Chrysanthemum × morifolium</i> Ramat. 'Zanmublush'		
5	Longitudinal axis:	Outer rows: Straight; Inner rows: Incurving
	Length of corolla tube:	1-2 mm
	Diameter corolla tube:	1 mm
	Ray floret margin:	Entire
	Ray floret length:	1.3-2 cm
10	Ray-floret width:	2-5 mm
	Disc florets	Absent
	Receptacle	
	Color:	Yellow-green 145D
	Shape:	Domed raised
15	Height:	3 mm
	Diameter:	4 mm
Reproductive Organs		
	Androecium:	Absent
	Pollen:	Absent
20	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
	Ovary color:	Yellow-green 149D
25	Seed set:	Not determined to date
	Plant	
	Type:	Bushy
	Growth habit:	Spherical shape
	Growth rate:	High
30	Height:	30 cm
	Width:	50 cm
	Stem color:	Greyed-brown 199A
	Stem strength:	Not strong
	Stem brittleness:	Brittle
	Stem anthocyanin coloration:	Present
35	Internode length:	1-2 cm
	Length of lateral branch:	From top to bottom 19-22 cm
	Lateral branch color:	Greyed-green 194A with at lower part hue of Greyed-red 182B
	Lateral branch, attachment:	Weak
	Lateral branch diameter:	2 mm
40	Lateral branch, texture:	Pubescent with ribs
	Branching (average number of lateral branches):	Dense with 9 breaks after pinching
	Natural season blooming date:	September 21 (week 39) in Rijsenhout, the Netherlands
	Roots—habits:	Fine, freely branching
	Roots—color:	White 155A
45	Foliage	
	Glossiness:	Leaf upper side: weak Leaf lower side: absent
	Leaf color:	Upper side: Green 137A Lower side: Green 138A
50	Color midvein:	Upper side: Yellow-green 147D Lower side: Yellow-green 148D
	Size:	Small; length 2.5-5.5 cm, width 1.2-3.5 cm
	Quantity (number per lateral branches):	17-19
55	Shape:	Elliptic
	Texture upper side:	Sparsely pubescent
	Texture under side:	Pubescent
	Venation arrangement:	Pinnate
	Shape of margin:	Serrated
	Shape of base of sinus between lateral lobes:	Rounded
60	Margin of sinus between lateral lobes:	Diverging
	Shape of base:	Acute to truncate
	Apex:	Mucronulate
	Petiole strength:	Weak
65	Petiole attitude:	Moderately upwards

TABLE 1-continued

Botanical Description of <i>Chrysanthemum</i> × <i>morifolium</i> Ramat. 'Zanmublush'	
Petiole length:	0.5-0.8 cm
Petiole diameter:	1-2 mm
Petiole color:	Yellow-green 147D
Stipule:	1-2 mm

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TABLE 2

Differences with the comparison variety, when grown under identical conditions		
	'Zanmublush'	'Zanmuhots'
Natural season blooming date	week 40	week 37
Plant width	50 cm	60 cm

I claim:
1. A new and distinct *chrysanthemum* plant named 'Zanmublush' as described and illustrated.

* * * * *

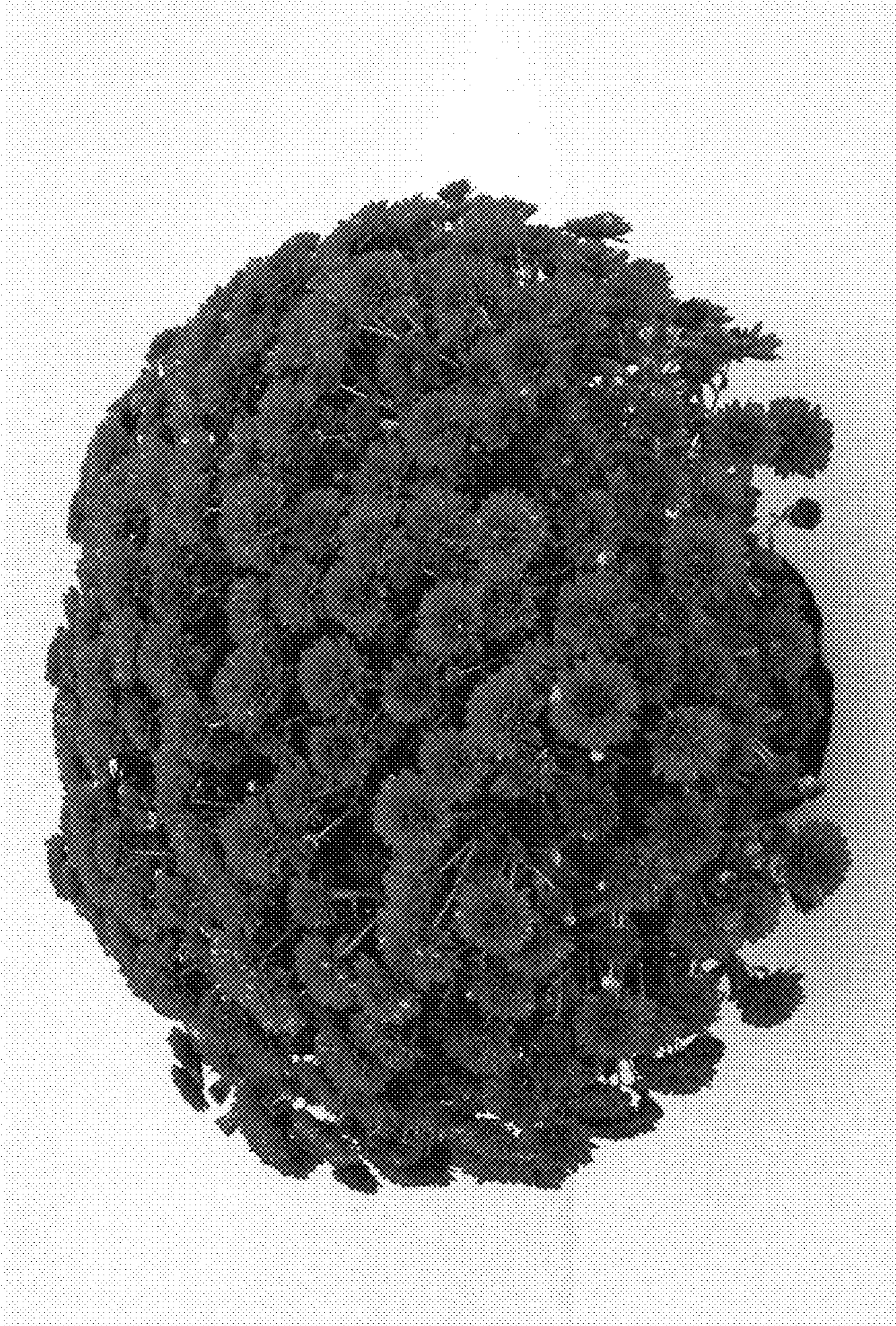


FIG. 1

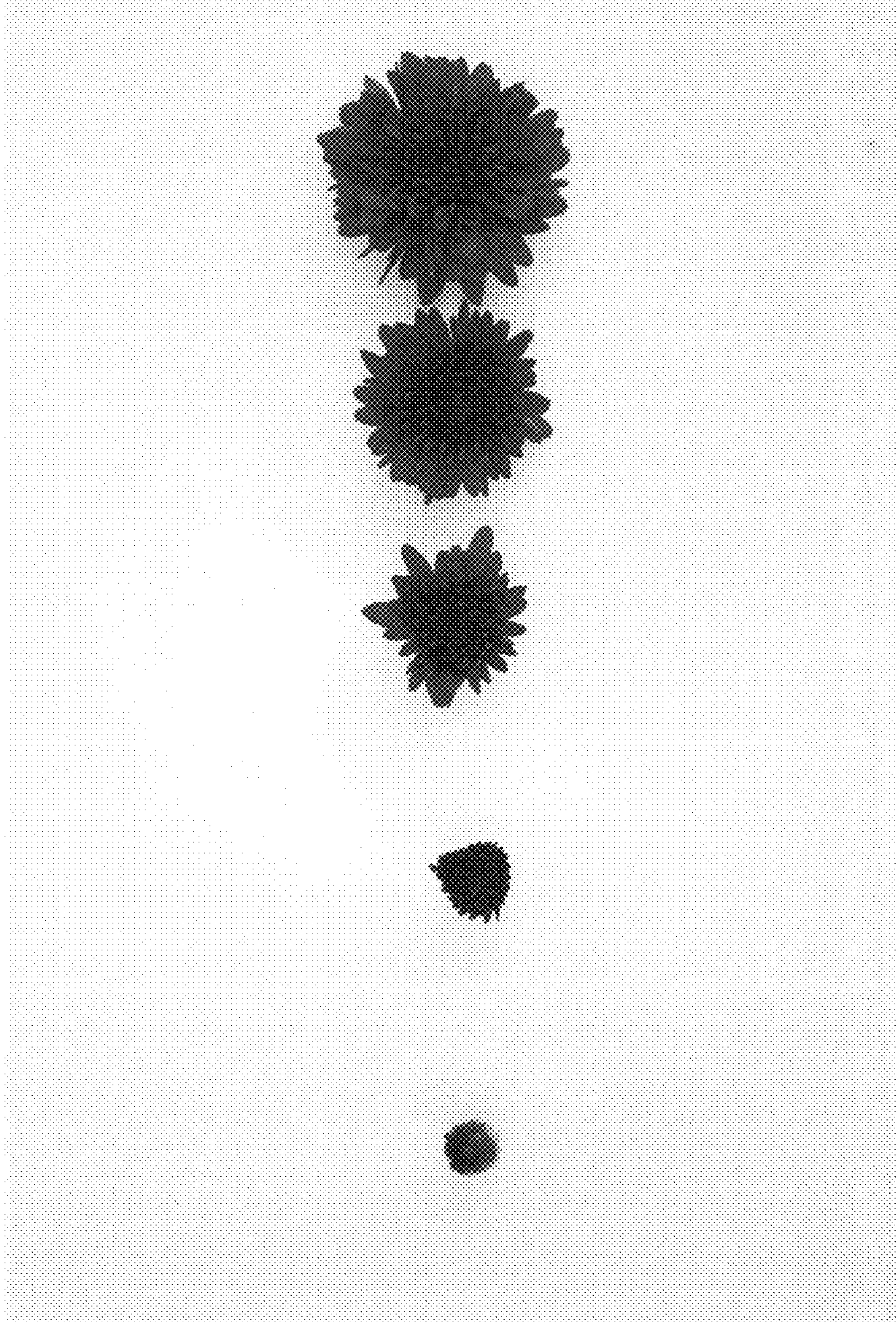


FIG. 2

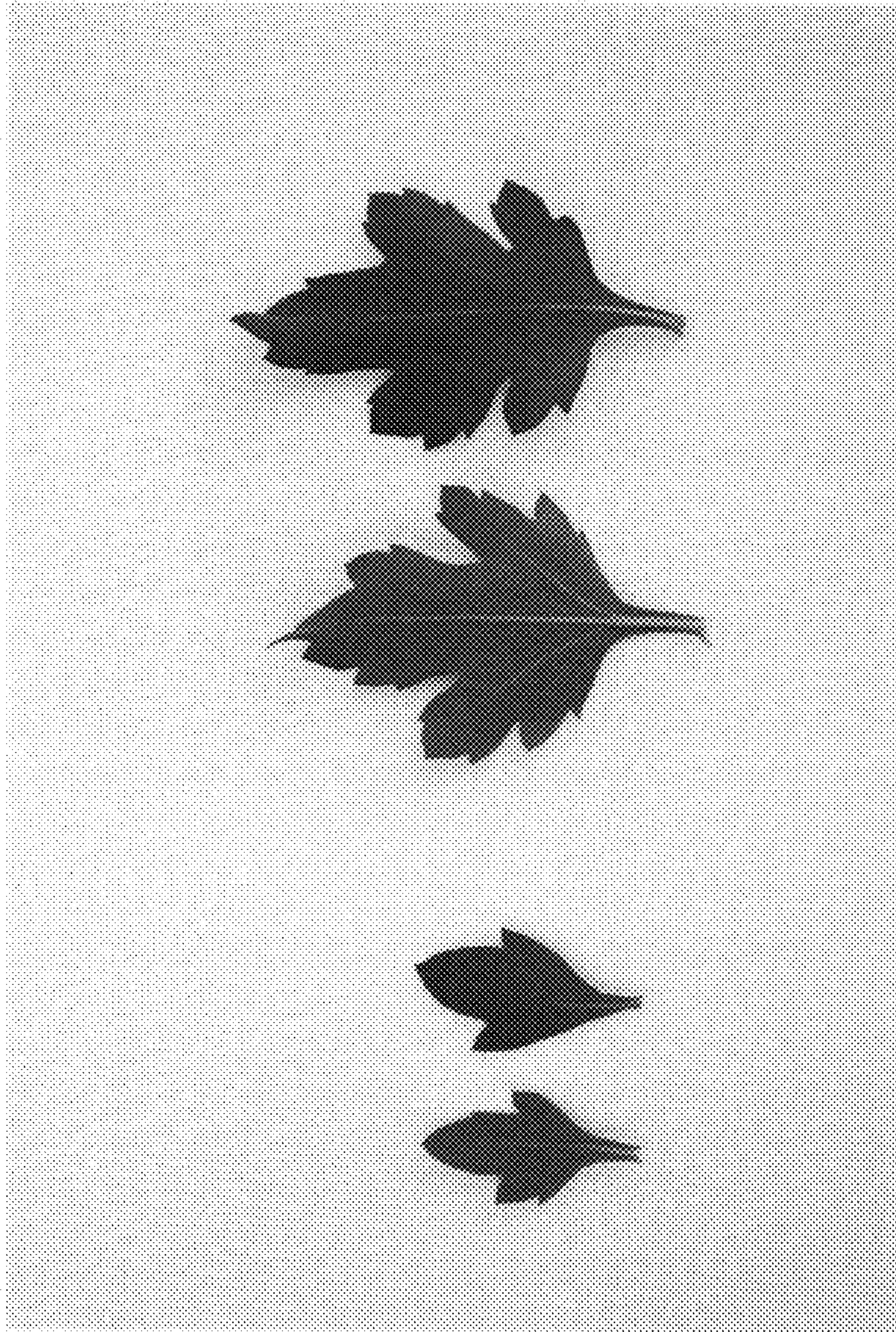


FIG. 3