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

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(54) **CHRYSANTHEMUM PLANT NAMED**
‘ZANMUROWA’

(50) Latin Name: *Chrysanthemum*×*morifolium*
Varietal Denomination: **Zanmurowa**

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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.

(21) Appl. No.: **12/314,957**

(22) Filed: **Dec. 19, 2008**

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

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

(58) **Field of Classification Search** **Plt./293,**
Plt./287

See application file for complete search history.

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(57) **ABSTRACT**

A *chrysanthemum* plant named ‘Zanmurowa’ directed by its
medium sized blooms with dark red ray florets and prolific
branching; natural season flower date September 22–27;
blooming for a period of 4–5 weeks.

3 Drawing Sheets

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BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *chrysanthemum* plant, botanically known as *Chrysanthemum*×*morifolium* Ramat., and hereinafter referred to by the
cultivar denomination ‘Zanmurowa’.

‘Zanmurowa’ is a product of a breeding and selection pro-
gram for outdoor pot mums (garden mums) which had the
objective of creating new *chrysanthemum* cultivars with a
double type inflorescence, a natural season flower date start-
ing at September 22–27; blooming for a period of 4–5 weeks.
The new plant of the present invention comprises a new and
distinct cultivar of *chrysanthemum* plant (to be deleted).
‘Zanmurowa’ is a seedling resulting from the crossing of the
female parent id 70 and the male parent id 537. Plants of
‘Zanmurowa’ differ from plants of the female parent in
growth habit, that of the seedling is more vigorous. Plants of
‘Zanmurowa’ differ from plants of the male parent in inflo-
rescence size, that of the seedling is larger.

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 2005. The
first act of asexual production of ‘Zanmurowa’ was accom-
plished when vegetative cuttings were used from the initial
selection in 2005 and propagated further in a controlled envi-
ronment in Rijsenhout, The Netherlands. The new cultivar
has been found to retain its distinctive characteristics through
successive propagations.

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 cul-
tivar.

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

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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
2008. The natural blooming date of this crop was September
22–27 (week 39). The average height of the plants was 30 cm.
No growth retardants were used. No tests were done on dis-
ease 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 4–5 weeks. From the cultivars known to inventor
the most similar existing cultivar in comparison to ‘Zan-
murowa’ is ‘Manakin’ (U.S. Plant Pat. No. 11,521). When
‘Manakin’ and ‘Zanmurowa’ are being compared the follow-
ing difference is noticed: The difference of ‘Manakin’ and
‘Zanmurowa’ are (1) Natural season blooming date. And (2)
Size of bloom. (1). The natural season blooming date of
‘Manakin’ is mid-September, while that of ‘Zanmurowa’ is
late September. (2). The size of the blooms of ‘Manakin’ is
smaller than those of ‘Zanmurowa’.

The following is a description of the plant and character-
istics that distinguish ‘Zanmurowa’ 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 ‘Zanmurowa’	
Bud	
Size	Small; cross-section 0.6 cm, height 0.4 cm
Shape	Oblate
Texture	Pubescent

TABLE 1-continued

Botanical Description of <i>Chrysanthemum xmorifolium</i> Ramat ‘Zanmurowa’	
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 191A Lower side Greyed-green 191C
Length and width	5 mm; 2-3 mm
Texture	Pubescent
Inflorescence	
Type	Double
Height	2 cm
Diameter	5 cm
Peduncle length	9-12 cm
Peduncle color	Greyed-green 191 C
Peduncle diameter	2 cm
Peduncle surface	Pubescent
Number per branch	Approx. 6 inflorescences
Flowering period individual inflorescence	4-5 weeks
Seeds	Produced in small quantities, ovate, Greyed-brown 199A, length 1.5 mm diameter 0.8 mm
Fragrance	Faint <i>chrysanthemum</i> odor
Color	
Center of inflorescences (disc florets)	Immature stage: Yellow 9A Mature stage: Yellow 12A (pollen)
Color of upper surface of the ray-florets	Greyed-purple 185A
Color of the lower surface of the ray-florets	Greyed-red 181B
Tonality from Distance	A garden mum with dark red inflorescences and small yellow disc
Color of the ray-florets after aging of the plant	Greyed-red 181A
Ray florets	
Texture	Upper and lower side smooth
Number	130-140
Shape	Elliptic
Apex	Mucronulate
Base	Attenuate
Cross-section	Flat
Longitudinal axis of majority	Straight
Length of corolla tube	0.3-0.4 cm
Ray-floret margin	Entire
Ray-floret length	1.6-2.7 cm
Ray-floret width	2-5 cm
Ratio length/width	Medium
Disc florets	
Disc diameter	2-3 mm
Distribution of disc florets	Moderate
Shape	Tubular
Color	Yellow 9A at apex, and Yellow 11D at base
Number	8-10
Length	0.5 mm
Diameter	0.3 mm
Receptacle	
Shape	Conical raised
Color	Green 138C
Height	0.5 cm
Diameter	0.6 mm
Reproductive Organs	

TABLE 1-continued

Botanical Description of <i>Chrysanthemum xmorifolium</i> Ramat ‘Zanmurowa’	
Androecium	Present in disc florets only
Stamen length	3 mm
Stamen color	Yellow-green 144A
Anther color	Yellow 3A
Pollen	Moderate
Pollen	Yellow 12A
Gynoecium	Present in both ray and disc florets
Style color	Yellow-green 154C
Style Length	3 mm
Stigma color	Yellow 7A
Stigma Width	1 mm
Ovary	Enclosed in calyx
Plant	
Form	Grown as a potmum, outdoor raised and mounded
Growth habit	Spherical shape
Growth rate	Medium
Height	30 cm
Width	40 cm
Stem Color	Greyed-brown 199A
Stem Strength	Strong
Stem Brittleness	Not brittle
Stem Anthocyanin Coloration	Not observed
Internode length	1-2 cm
Length of lateral branch	From top to bottom 20 cm
Lateral branch color	Green 137C
Lateral branch diameter	2 mm
Lateral branch brittleness	Medium
Branching (average number of lateral branches)	Prolific with 8 breaks after pinching
Natural season blooming date	September 22-27 to late October
Foliage	
Leaf color	Upper side: Green 137A Lower side: Green 138A
Color midvein	Upper side: Yellow-green 147D Lower side: Yellow-green 148D
Size	Small.; length 3.5-5 cm, width 2-2.5 cm
Quantity (number per lateral branch)	22 -24
Shape	Elliptic
Texture upper side	Sparsely pubescent
Texture under side	Pubescent
Venation arrangement	Palmate
Shape of the margin	Serrated
Shape of Base of Sinus	Rounded
Between Lateral Lobes	
Margin of Sinus Between	Diverging
Lateral Lobes	
Shape of Base	Attenuate
Apex	Mucronulate
Petiole length	0.5-1 cm
Petiole diameter	2 mm
Petiole color	Yellow-green 147D

TABLE 2

Differences with the comparison variety		
	‘Zanmurowa’	‘Manakin’
Natural season blooming date	Late September	Mid-September
Bloom diameter	5 cm	3.5 cm

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

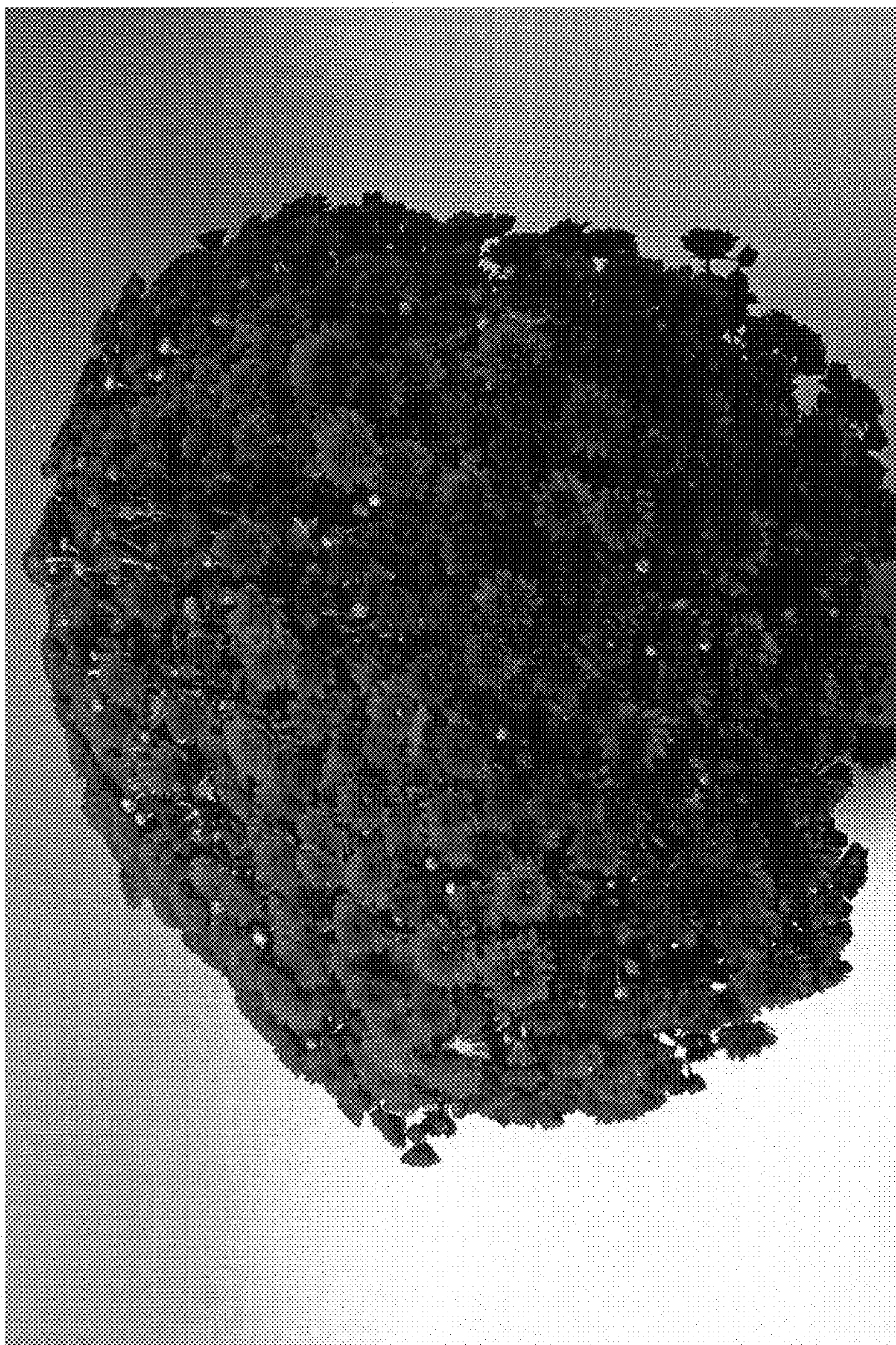


FIG. 1

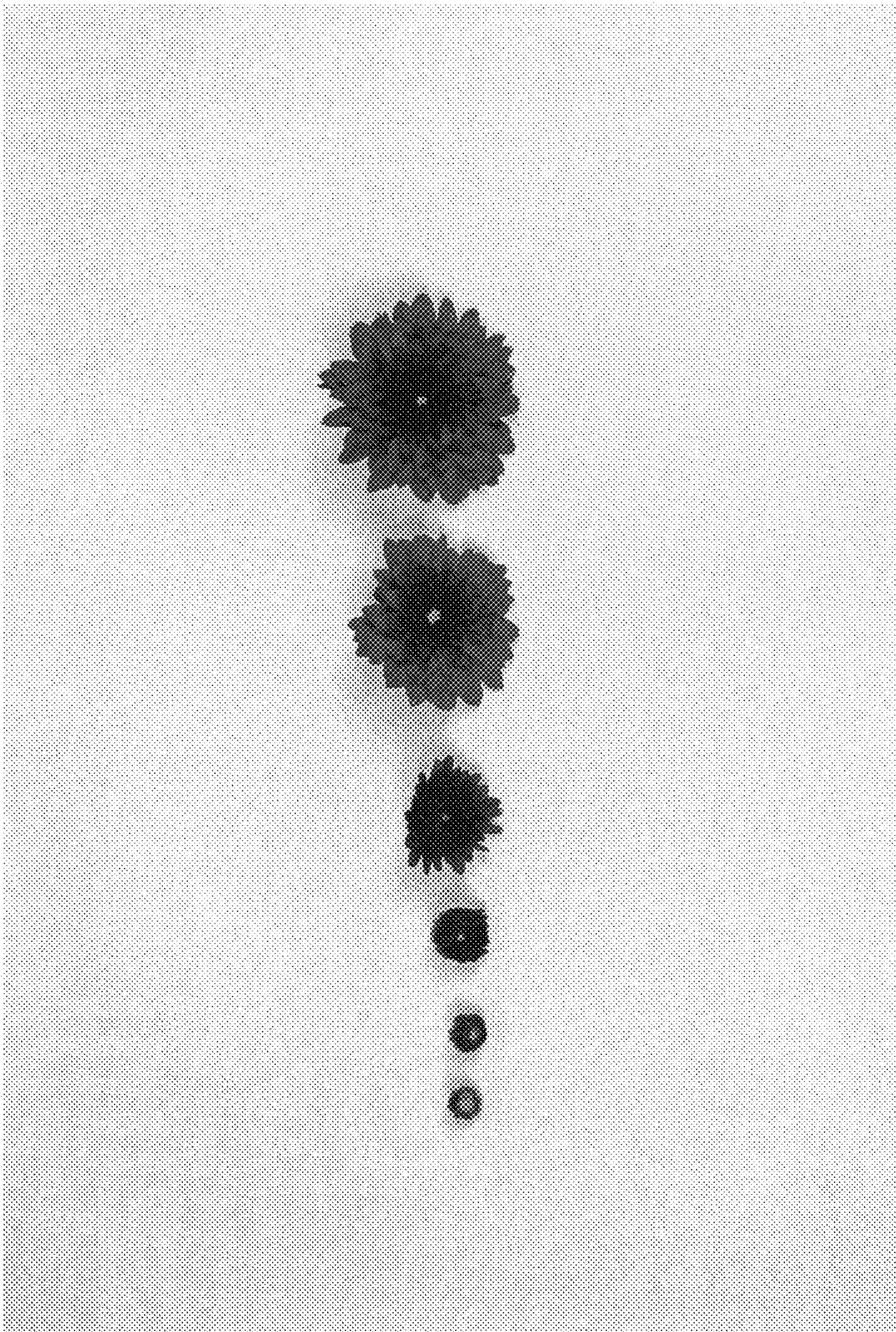


FIG. 2

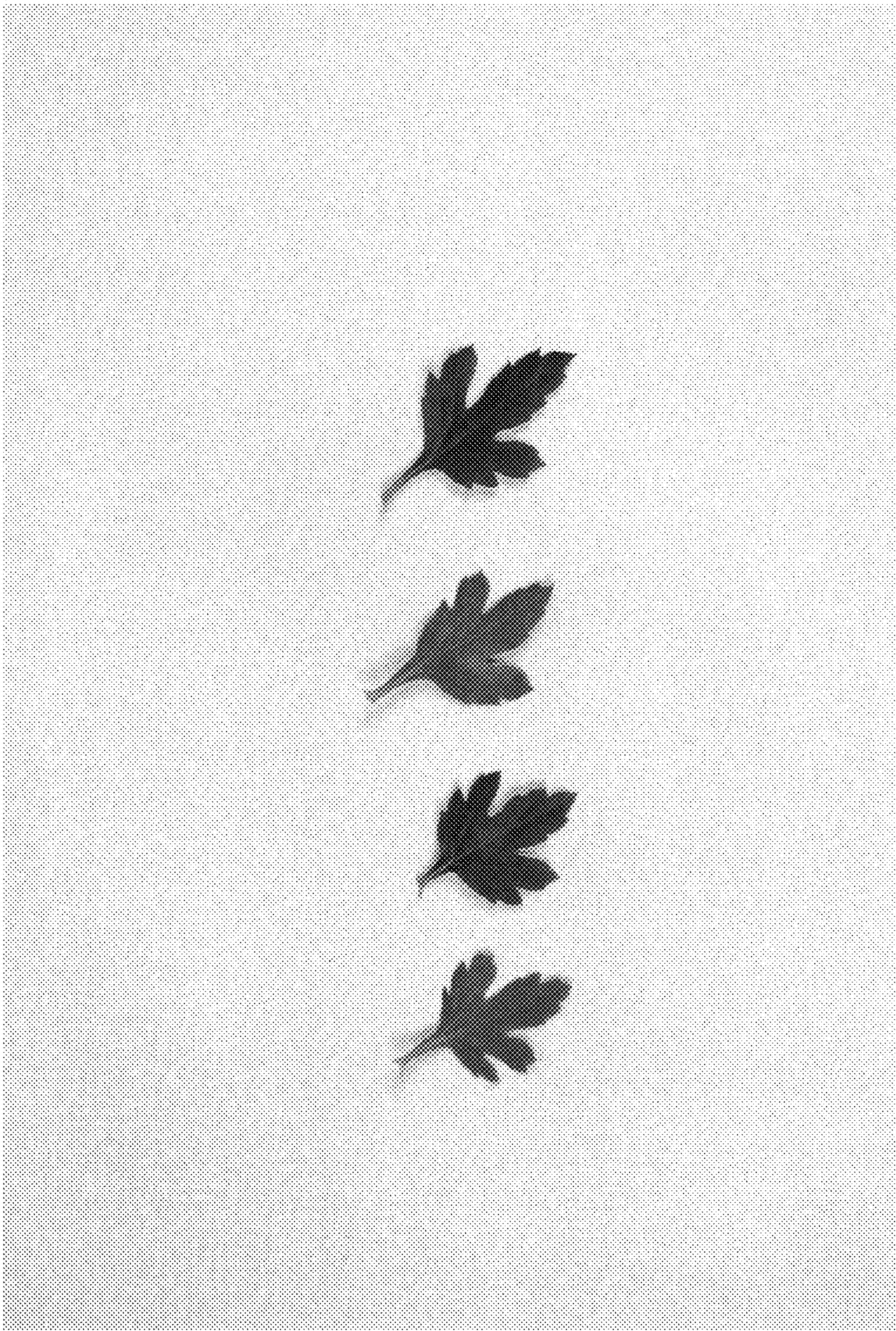


FIG. 3