



US00PP24646P2

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

(10) **Patent No.:** **US PP24,646 P2**  
(45) **Date of Patent:** **Jul. 15, 2014**

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

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

(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)

(\*) 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.: **13/694,694**

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

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

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

(58) **Field of Classification Search**  
USPC ..... Plt./293  
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 'Zanmuryder' characterized  
by its small sized blooms with dark red ray florets and prolific  
branching; natural season flowering date August 27 (week  
35); blooming for a period of 5 weeks.

**3 Drawing Sheets**

**1**

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

Cultivar denomination: 'Zanmuryder'.

**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  
'Zanmuryder'. 'Zanmuryder' 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 August 27 (week 35), blooming for a period of 5  
weeks. 'Zanmuryder' is a seedling resulting from a cross of  
the female parent id 16733 with an unknow male parent.  
Plants of the new cultivar 'Zanmuryder' differ from plants of  
the female parent in plant vigor; plants of the seedling are less  
vigorous than those of the female parent.

The new and distinct cultivar was discovered and selected  
as a flowering plant by Wilhelmus Bernardus Blom on a  
cultivated field in Rijnsenhout, The Netherlands in 2009. The  
first act of asexual production of 'Zanmuryder' was accom-  
plished when vegetative cuttings from the initial selection in  
2009 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 14 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 cul-  
tivar.

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

**2**

**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 23 in  
2012. The natural blooming date of this crop was August 27  
(week 35). 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 small sized  
blooms with dark red ray florets blooming for a period of 5  
weeks.

From the cultivars known to inventor the most similar  
existing cultivar in comparison to 'Zanmuryder' is 'Manakin'  
(U.S. Plant Pat. No. 11,521). When 'Zanmuryder' and  
'Manakin' are being compared the following differences are  
noticed: (1) Inflorescence type. And (2) Color ray-florets. (1)  
Inflorescence type in 'Zanmuryder' is double, while it is daisy  
in 'Manakin'. (2) Ray-florets in 'Zanmuryder' are more  
purple colored than those of 'Manakin'.

The following is a description of the plant and character-  
istics that distinguish 'Zanmuryder' 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 *Chrysanthemum* × *morifolium* Ramat.  
'Zanmuryder'

35 Bud

Size:	Small; cross-section 7 mm, height 4 mm
Shape:	Round
Texture:	Pubescent
Outside color:	Greyed-green 191A

TABLE 1-continued

Botanical Description of <i>Chrysanthemum xmorifolium</i> Ramat. 'Zanmuryder'	
<u>Phyllaries</u>	
Number:	36, arranged in 3 rows
Shape:	Elliptic
Apex:	Acute
Base:	Truncate
Margin:	Entire
Color:	Upper side: Green 138A Lower side: Green 143C
Length and width:	4-5 mm; 2 mm
Texture:	Pubescent
<u>Inflorescences</u>	
Type:	Double
Height:	1.5 cm
Diameter:	3.5-4 cm
Peduncle length:	6.5-8 cm
Peduncle color:	Green 138B
Peduncle diameter:	2 mm
Peduncle texture:	Pubescent
Number per branch:	Approx. 6-8 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 <i>chrysanthemum</i> odor
<u>Color inflorescences</u>	
Center of inflorescence:	Immature stage: Red-purple 60A; Mature stage: Red-purple 60A
Color of upper side of ray florets:	Red-purple 60A
Color of lower side of ray florets:	Greyed-yellow 161C at base to Greyed- purple 184B at tip
Tonality from distance:	A garden <i>mum</i> with dark red blooms
Color of ray florets after aging of the plant:	Greyed-purple 185A
<u>Ray florets</u>	
Texture:	Upper and lower side smooth
Number:	180-200
Shape:	Elliptic
Apex:	Dentate
Base:	Attenuate
Cross-section:	Flat
Longitudinal axis:	Straight
Length of corolla tube:	2 mm
Ray floret margin:	Entire
Ray floret length:	1.2-2.1 cm
Ray floret width:	2-3 mm
Ratio length/width:	High
Disc florets	Absent
<u>Receptacle</u>	
Color:	Yellow-green 145D
Shape:	Domed raised
Height:	8 mm
Diameter:	4 mm
<u>Reproductive Organs</u>	
Androecium:	Absent
Pollen:	Absent
Gynoecium:	Present on ray florets
Style color:	Yellow-green 154C
Style length:	3 mm
Stigma color:	Yellow 7A

TABLE 1-continued

Botanical Description of <i>Chrysanthemum xmorifolium</i> Ramat. 'Zanmuryder'	
5	Stigma width: 1 mm Ovary: Enclosed in calyx Plant
	Form: Grown as a spray type pot mum, outdoor raised and mounded
10	Growth habit: Spherical shape Growth rate: Medium Height: 30 cm Width: 40 cm Stem color: Greyed-brown 199A Stem strength: Strong
15	Stem brittleness: Not brittle Stem anthocyanin coloration: Present, Greyed-purple 185C Internode length: 1.5-3 cm Length of lateral branch: From top to bottom 16-18 cm Lateral branch color: Green 137 C
20	Lateral branch, attachment: Strong Lateral branch diameter: 3-4 mm Branching (average number of lateral branches): Prolific with 8-10 breaks after pinching Natural season blooming date: August 27 (week 35)
<u>Foliage</u>	
25	Leaf color: Upper side: Green 137A; Lower side: Green N138B Color midvein: Upper side: Yellow-green 147D; Lower side: Yellow-green 148D Size: Small; length 3-5 cm, width 1.5-3.5 cm
30	Quantity (number per lateral branches): 14-16 Shape: Elliptic Texture upper side: Sparsely pubescent Texture under side: Pubescent Venation arrangement: Palmate
35	Shape of margin: Serrated Shape of base of sinus between lateral lobes: Rounded Margin of sinus between lateral lobes: Diverging Shape of base: Attenuate
40	Apex: Mucronulate Petiole length: 0.5-1.5 cm Petiole diameter: 2 mm Petiole color: Yellow-green 147D

TABLE 2

Differences with the comparison variety, when grown under identical conditions		
	'Zanmuryder'	'Manakin'
50	Inflorescence type	double
	Color ray-florets	Red-purple 60A
		daisy
		Red 46A

55 I claim:  
1. A new and distinct *Chrysanthemum* plant named 'Zan-  
muryder' as described and illustrated.

\* \* \* \* \*

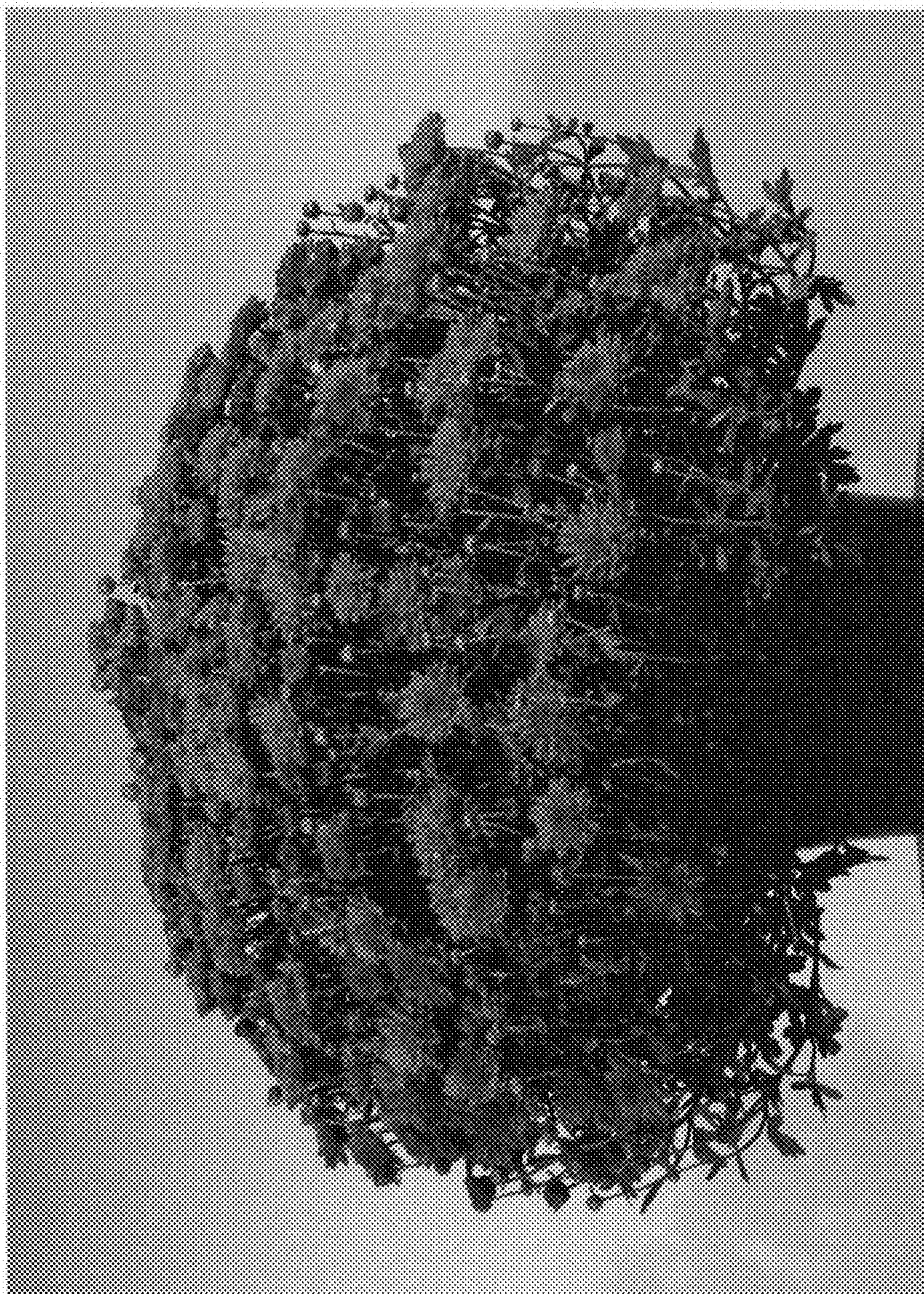


FIG. 1

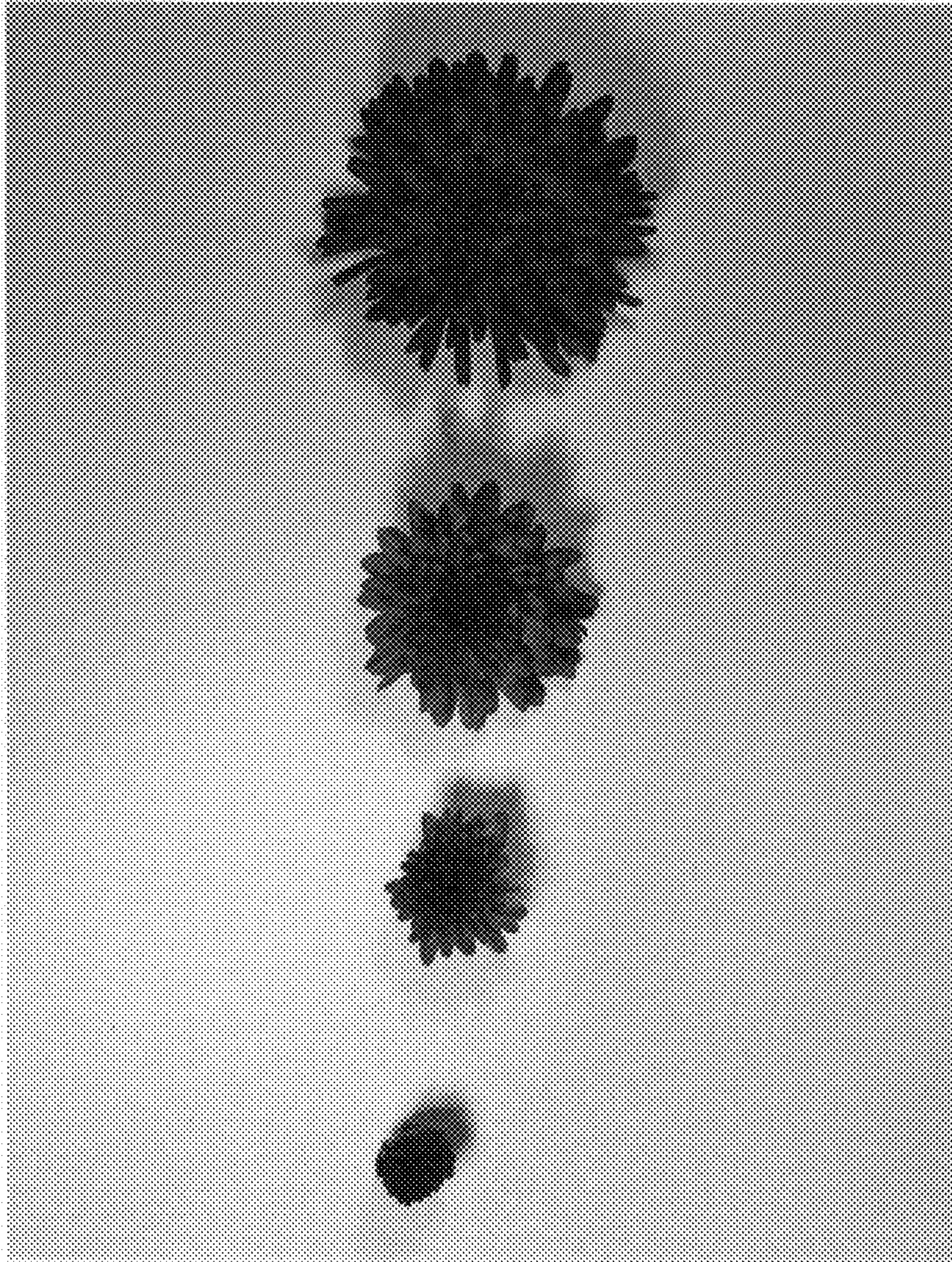


FIG. 2

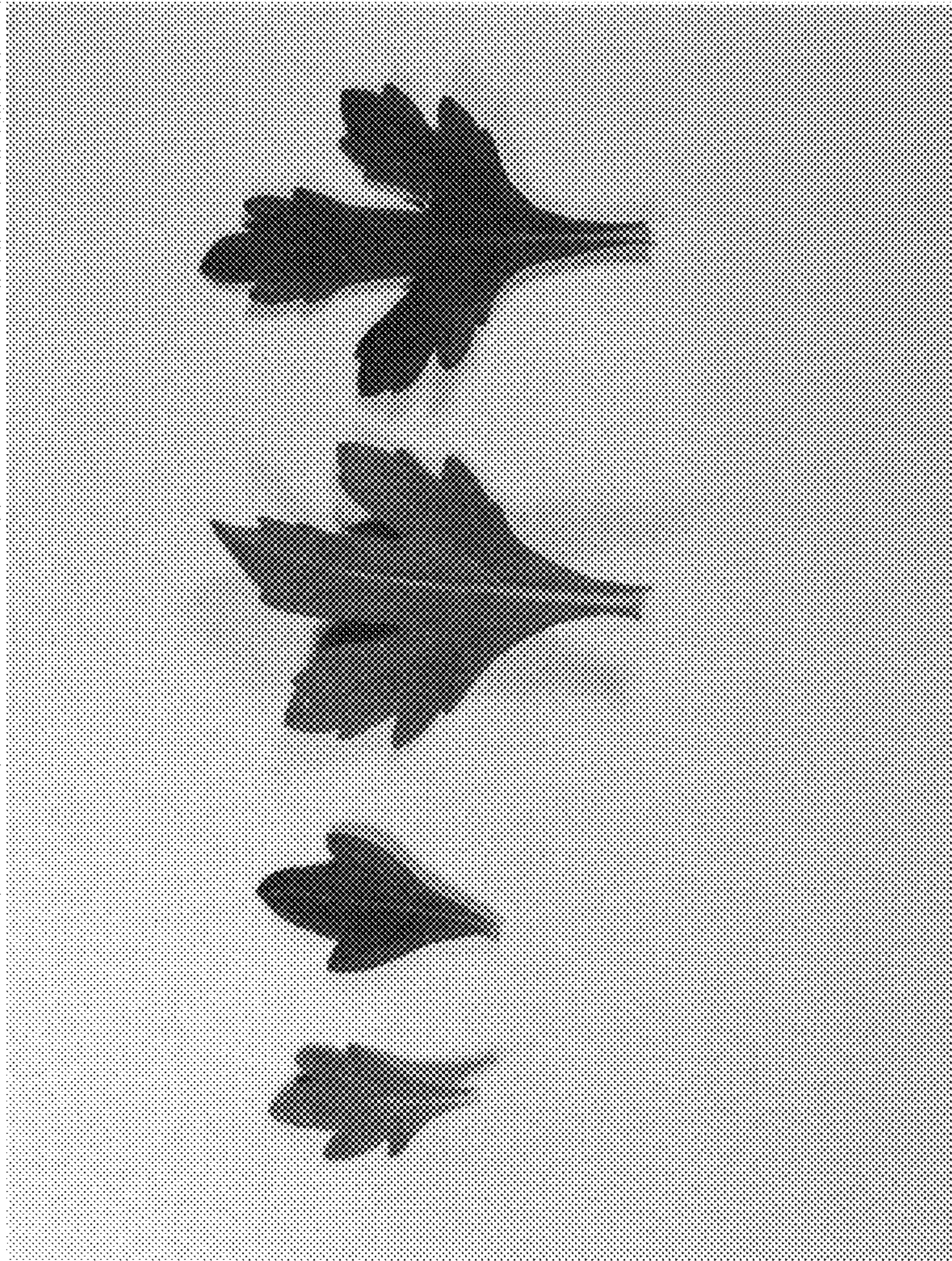


FIG. 3