



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**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 unknown 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 Rijenhout, The Netherlands in 2009. The first act of asexual production of 'Zanmuryder' was accomplished when vegetative cuttings from the initial selection in 2009 were propagated further in a controlled environment in Rijenhout, 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* (of about 14 weeks) 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 cultivar.

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 Rijenhout, 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 characteristics that distinguish 'Zanmuryder' 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 *Chrysanthemum × morifolium* Ramat.
'Zanmuryder'

35 Bud

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

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TABLE 1-continued

Botanical Description of <i>Chrysanthemum ×morifolium</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
Inflorescences	
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
Color inflorescences	
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
Ray florets	
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
Receptacle	
Color:	Yellow-green 145D
Shape:	Domed raised
Height:	8 mm
Diameter:	4 mm
Reproductive Organs	
Androecium:	Absent
Pollen:	Absent
Gynoecium:	Present on ray florets
Style color:	Yellow-green 154C
Style length:	3 mm
Stigma color:	Yellow 7A

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TABLE 1-continued

Botanical Description of <i>Chrysanthemum ×morifolium</i> Ramat. ‘Zanmuryder’	
5	Stigma width: 1 mm Ovary: Enclosed in calyx Plant
10	Form: Grown as a spray type pot mum, 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: Present, Greyed-purple 185C
15	Internode length: 1.5-3 cm Length of lateral branch: From top to bottom 16-18 cm Lateral branch color: Green 137 C 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) Foliage
20	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 Quantity (number per lateral branches): 14-16 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
25	Margin of sinus between lateral lobes: Diverging Shape of base: Attenuate Apex: Mucronulate Petiole length: 0.5-1.5 cm Petiole diameter: 2 mm Petiole color: Yellow-green 147D
30	
35	
40	
45	

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 ‘Zanmuryder’ as described and illustrated.

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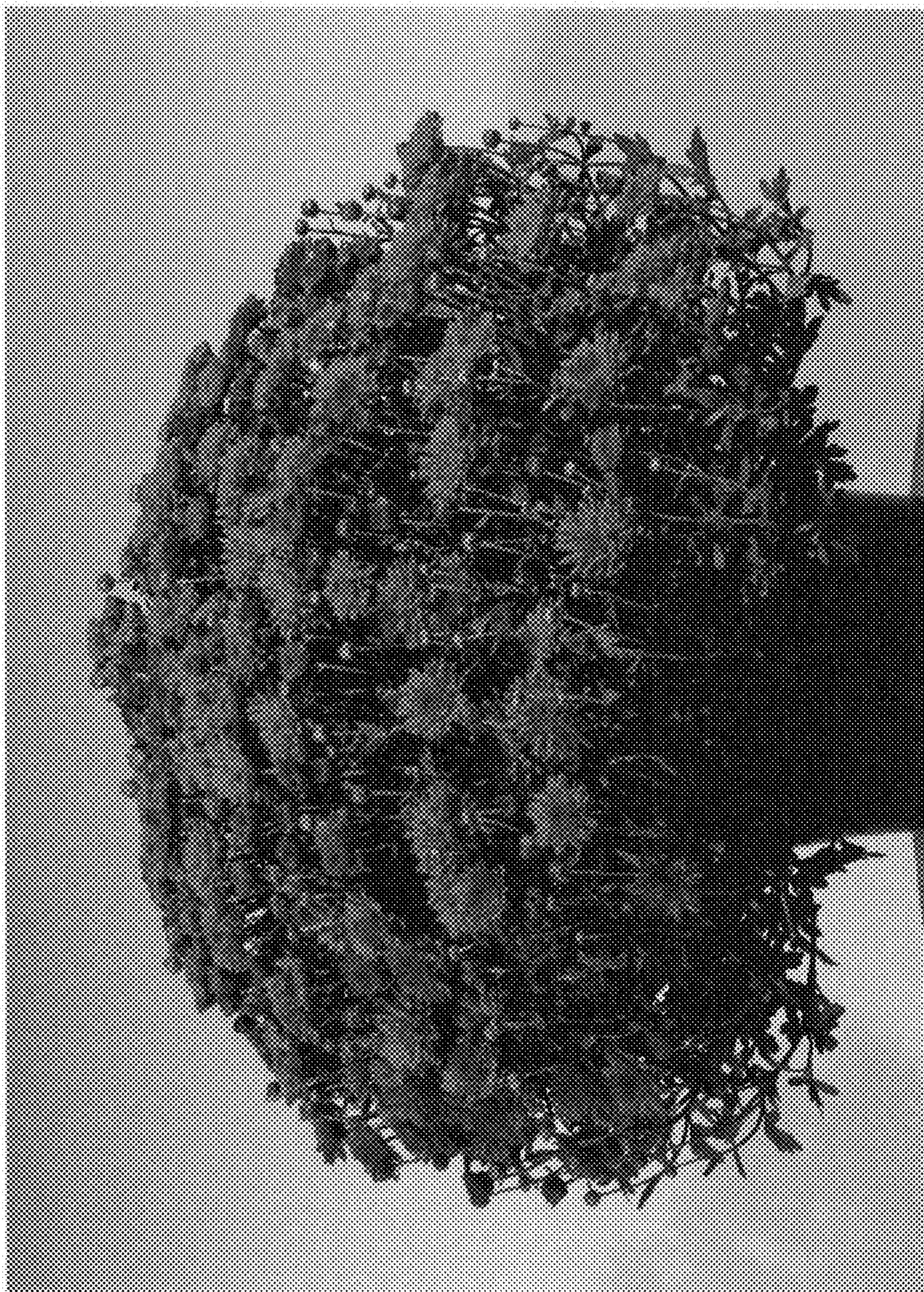


FIG. 1

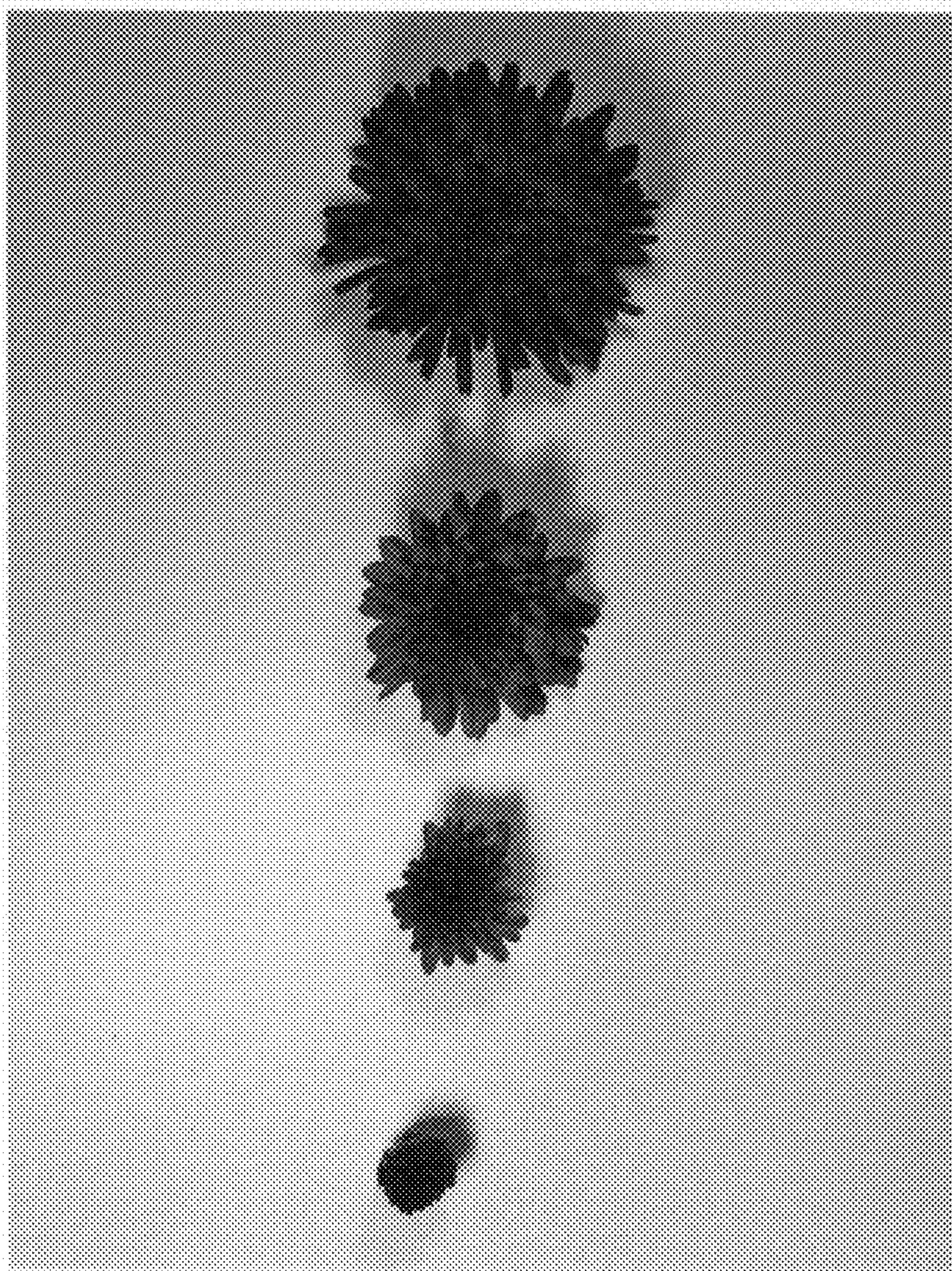


FIG. 2

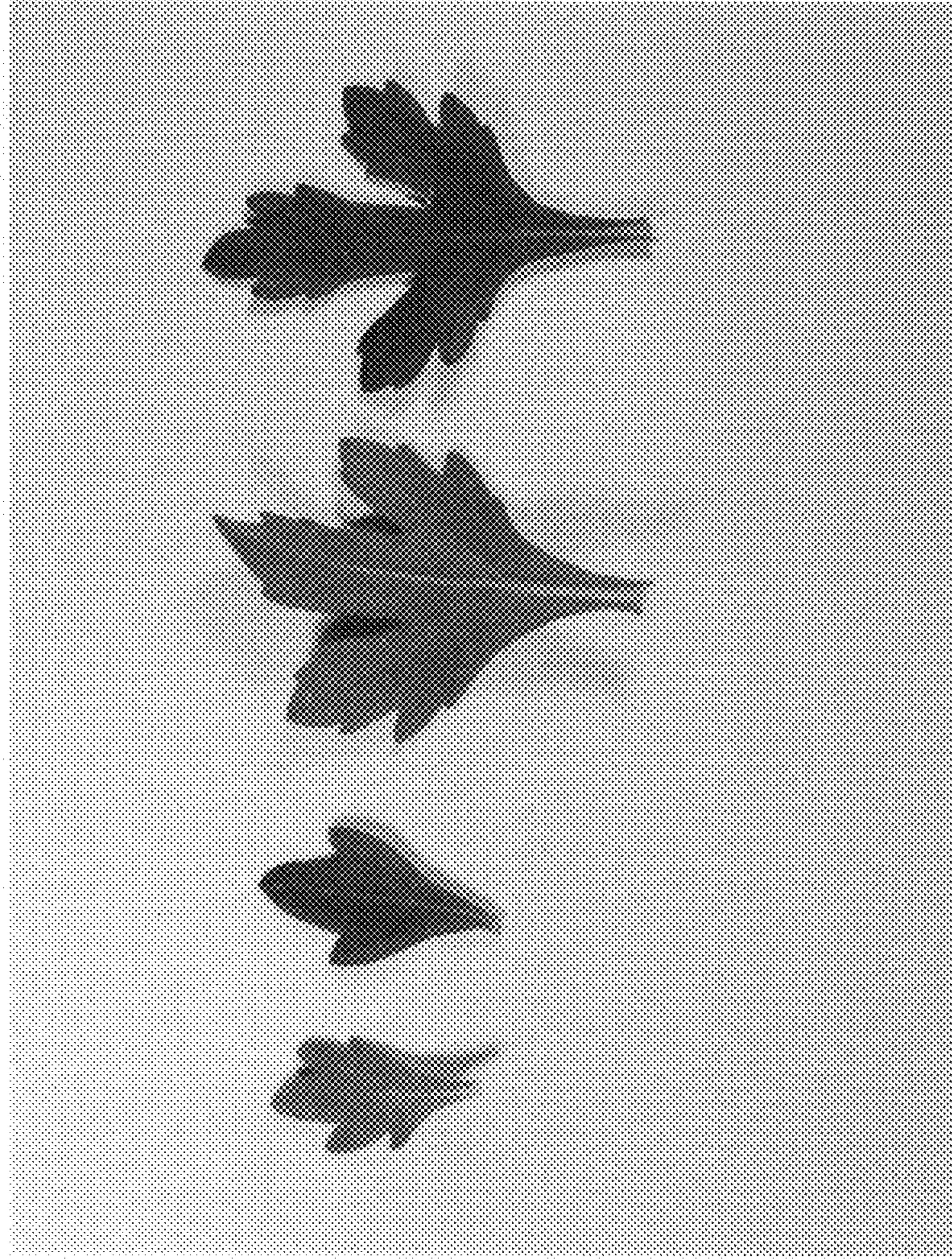


FIG. 3