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

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

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

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(73) Assignee: **Chrysanthemum Breeders Association**
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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.: **12/926,554**

(22) Filed: **Nov. 24, 2010**

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

(52) **U.S. Cl.** **Plt./294**

(58) **Field of Classification Search** **Plt./294**
See application file for complete search history.

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(57) **ABSTRACT**

A *chrysanthemum* plant named ‘Zanmupearly’ characterized
by its medium sized blooms with white ray florets and a cream
center, and prolific branching; natural season flower date
October 10; blooming for a period of 4 weeks.

3 Drawing Sheets

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Botanical designation: *Chrysanthemum×morifolium*
Ramat.
Cultivar denomination: ‘Zanmupearly’.

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
‘Zanmupearly’. ‘Zanmupearly’ 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 flower date
around October 10, blooming for a period of 5 weeks. ‘Zan-
mupearly’ is a seedling resulting from a crossing program set
up by a previous breeder, and which records are unknown to
the inventor.

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 2003. The
first act of asexual production of ‘Zanmupearly’ was accom-
plished when vegetative cuttings from the initial selection in
2003 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 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.

DESCRIPTION OF THE INVENTION

The observations and measurements were gathered from
plants grown out door in Rijsenhout, The Netherlands under

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natural day length and temperature and planted in week 23 in
2009. The natural blooming date of this crop was October 11.
The average height of the plants was 38 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 white ray florets and a cream center blooming for
a period of 4 weeks.

From the cultivars known to inventor the most similar
existing cultivar in comparison to ‘Zanmupearly’ is ‘Zanmu-
candle’ (U.S. patent application Ser. No. 12/591,869). When
‘Zanmucandle’ and ‘Zanmupearly’ are being compared the
following differences are noticed: (1) Inflorescence size And
(2) Plant height. (1) The inflorescences of ‘Zanmucandle’ are
larger than those of ‘Zanmupearly’. (2) Plants of ‘Zanmu-
candle’ are smaller than those of ‘Zanmupearly’.

The following is a description of the plant and character-
istics that distinguish ‘Zanmupearly’ 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 xmorifolium</i> Ramat. ‘Zanmupearly’	
Bud	
Size	Small; cross-section 4 mm, height 4 mm
Shape	Round
Texture	Pubescent
Outside Color	Greyed-green 191A
Phyllaries	
Number	22, arranged in 3 rows
Shape	Elliptic
Apex	Acute
Base	Truncate
Margin	Entire

TABLE 1-continued

Botanical Description of <i>Chrysanthemum xmorifolium</i> Ramat. ‘Zanmupearly’	
Color	Upper surface: Greyed-green 189A
Length and width	5 mm; 3 mm
Texture	Pubescent
Inflorescence	
Type	Double
Height	1.2 cm
Diameter	4.2 cm
Peduncle length	5-6 cm
Peduncle color	Green N138 B-C
Peduncle diameter	1.5 mm
Peduncle texture	Pubescent
Number per branch	Approx 6 inflorescences
Duration of flowering	4 weeks
Seeds	Produced in small quantities, ovate, Greyed-brown 199A, length 1.5 mm, diameter 0.5 mm
Fragrance	Faint chrysanthemum odor
Color	
Center of inflorescence	Immature stage: Yellow 6D Mature stage: White 155D
Color of upper surface of the ray-florets	White 155D
Color of the lower surface of the ray-florets	White 155D
Tonality from Distance	A garden mum with white blooms and a cream center
Color of the ray-florets after aging of the plant	White 155D
Ray florets	
Texture	Upper and lower surface smooth
Number	Ca. 180
Shape	Elliptic
Apex	Pointed
Base	Attenuate
Cross-section	Flat
Longitudinal axis of majority	Straight to reflexing
Length of corolla tube	3 mm
Ray-floret margin	Entire
Ray-floret length	1.2-1.5 cm
Ray-floret width	3-5 mm
Ratio length/width	Medium
Disc florets	Absent
Receptacle	
Color	Yellow-green 145D
Shape	Domed raised
Height	4 mm
Diameter	4 mm
Reproductive Organs	
Androecium	Absent
Pollen	Absent
Gynoecium	Present on both 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. ‘Zanmupearly’	
5	Stigma Width Ovary Plant
	1 mm Enclosed in calyx
	Form
	Grown as a spray type pot mum, outdoor raised and mounded
10	Growth habit Growth rate Height Width
	Spherical shape Variable, medium to high 35-40 cm 45-60 cm
	Stem Color Stem Strength
	Greyed-brown 199A Strong
15	Stem Brittleness Stem Anthocyanin Coloration Internode length Length of lateral branch Lateral branch color Lateral branch, attachment Lateral branch diameter
	Not brittle Not observed 1-1.5 cm From top to bottom 18 cm Green 137 C Not brittle 2.mm
20	Branching (average number of lateral branches) Natural season blooming date Foliage
	Prolific with 8 breaks after pinching October 10 (week 41)
	Leaf color
25	Upper side: Green 137B Lower side: Green 138B Color midvein Upper side: Yellow-green 147D Lower side: Yellow-green 148D Size Quantity (number per lateral branch)
	Small; length 3-4 cm, width 2-3 cm Ca. 22
30	Shape Texture upper side Texture under side Venation arrangement Shape of the margin Shape of Base of Sinus Between Lateral Lobes
	Broadly elliptic Sparsely pubescent Pubescent Palmate Serrated Rounded
35	Margin of Sinus Between Lateral Lobes Shape of Base Apex Petiole length Petiole diameter
	Diverging Attenuate to truncate Mucronulate 0.8-1.2 cm 2 mm
40	Petiole color
	Yellow-green 147D

TABLE 2

45	Differences with the comparison variety (when grown side to side)		
		“Zanmupearly”	‘Zanmucandle’
	Inflorescence size	4.2 cm	6.5 cm
	Plant height	38 cm	16 cm

I claim:
1. A new and distinct *chrysanthemum* plant named ‘Zanmupearly’ as described and illustrated.

* * * * *

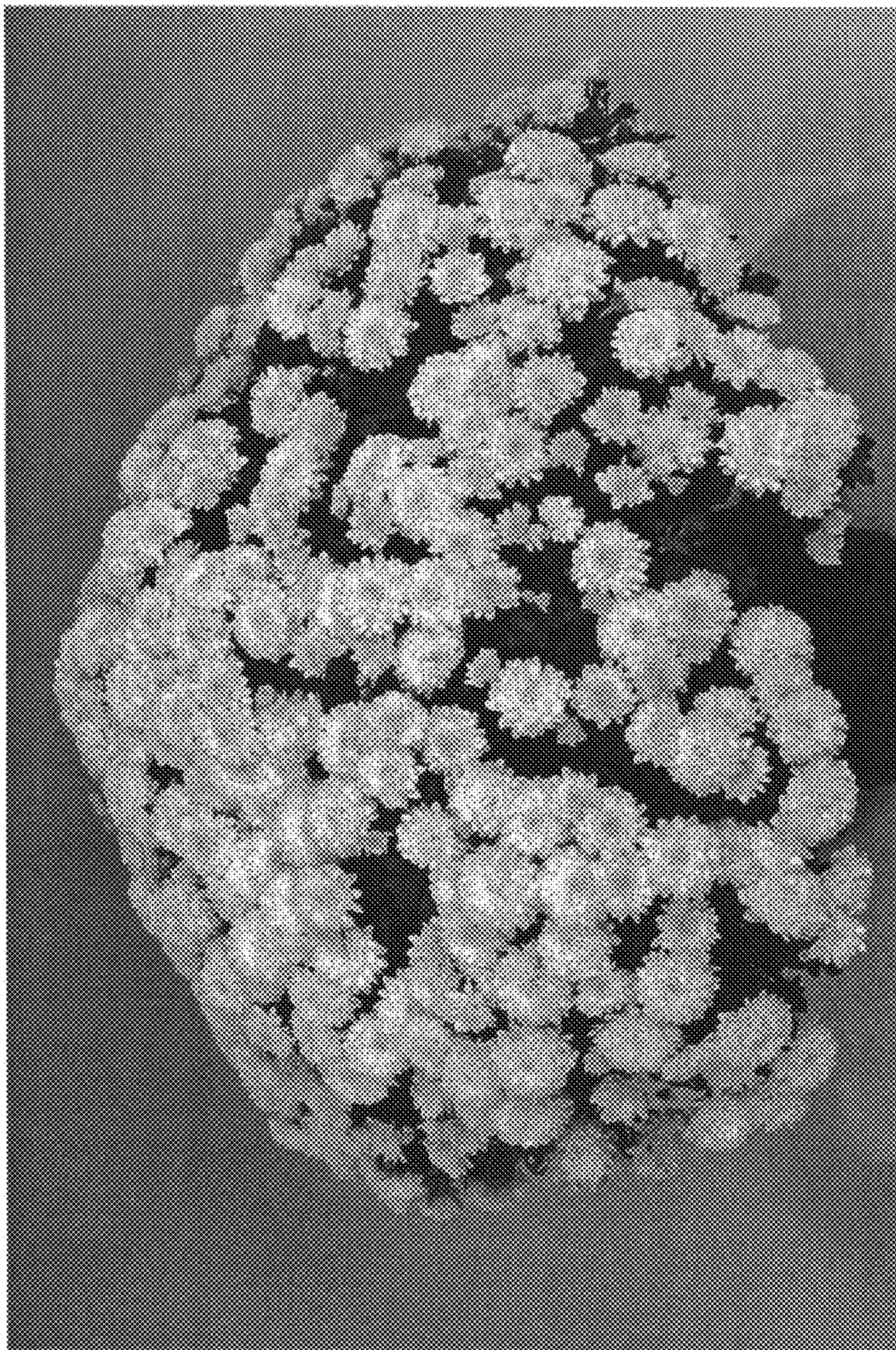


FIG. 1

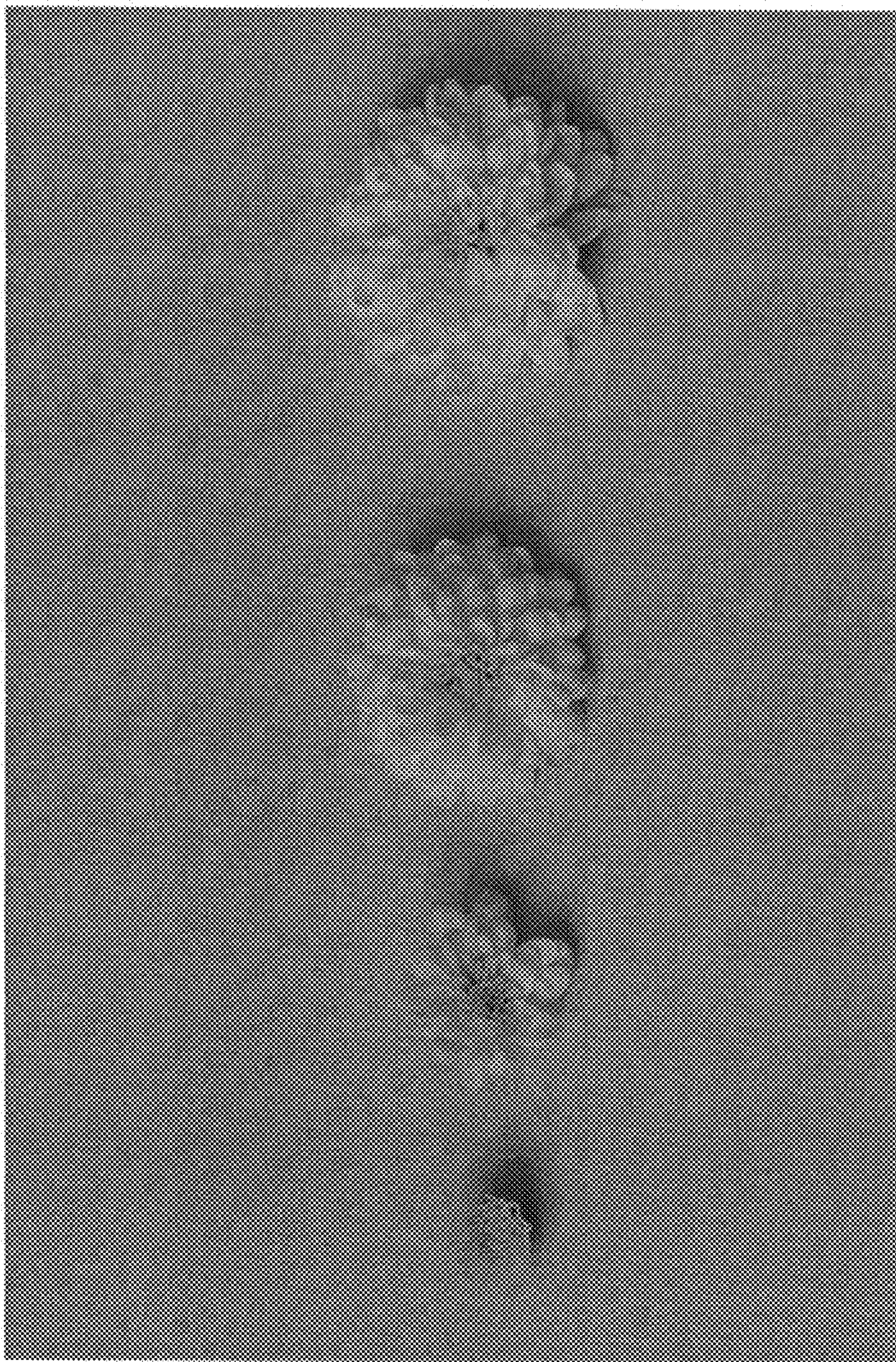


FIG. 2

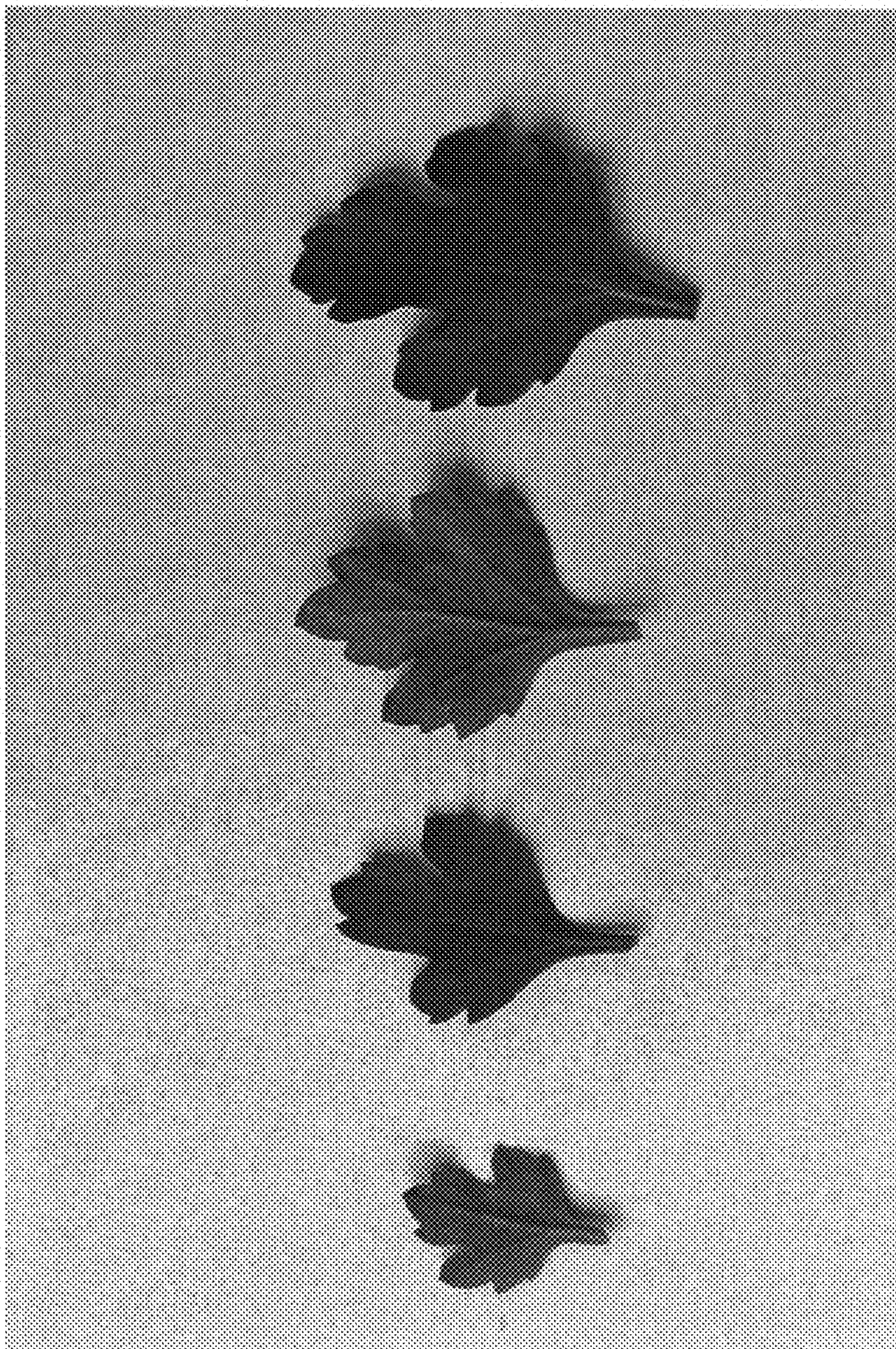


FIG. 3