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

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(54) **CHRYSANTHEMUM PLANT NAMED ‘ZANMUBLAST’**
(50) Latin Name: *Chrysanthemum*×*morifolium* **Ramat.**
Varietal Denomination: **Zanmublast**
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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.: **12/926,545**
(22) Filed: **Nov. 24, 2010**

(51) **Int. Cl.**
A01H 5/00 (2006.01)
(52) **U.S. Cl.** **Plt./296**
(58) **Field of Classification Search** **Plt./296**
See application file for complete search history.

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(57) **ABSTRACT**
A *chrysanthemum* plant named ‘Zanmublast’ characterized
by its medium sized blooms with orange ray florets and pro-
lific branching; natural season flower date October 5; bloom-
ing for a period of 4 weeks.

3 Drawing Sheets

1

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

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 denomination
‘Zanmublast’. ‘Zanmublast’ 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 October 5, blooming for a period of 4 weeks. ‘Zan-
mublast’ is a seedling resulting from a cross of the female
parent id 9376 with the male parent id 17772. Plants of the
new cultivar ‘Zanmublast’ differ from plants of the female
parent in plant vigor. The plants of the seedling are more
vigorous than those of the female parent. Plants of the new
cultivar ‘Zanmublast’ differ from plants of the male parent in
plant shape. The plants of the seedling are more ball-shaped
than those of the male parent.
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 ‘Zanmublast’ was accom-
plished when vegetative cuttings from the initial selection in
2005 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.

2

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
natural day length and temperature and planted in week 23 in
2009. The natural blooming date of this crop was October 5.
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 orange ray florets blooming for a period of 4
weeks.
From the cultivars known to inventor the most similar
existing cultivar in comparison to ‘Zanmublast’ is ‘Zanmu-
fay’ (U.S. patent application Ser. No. 12/591,868). When
‘Zanmufay’ and ‘Zanmublast’ are being compared the fol-
lowing differences are noticed. (1) Natural season flowering
date. And (2) Plant vigor. (1) Plants of ‘Zanmublast’ flower
earlier than those of ‘Zanmufay’. (2) Plants of ‘Zanmublast’
are more vigorous than those of ‘Zanmufay’.
The following is a description of the plant and character-
istics that distinguish ‘Zanmublast’ 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. ‘Zanmublast’	
Bud	
Size	Small; cross-section 5 mm, height 5 mm
Shape	Round
Texture	Pubescent
Outside Color	Greyed-green 191A

TABLE 1-continued

Botanical Description of <i>Chrysanthemum xmorifolium</i> Ramat. ‘Zanmublast’	
Phyllaries	
Number	22-24, arranged in 3 rows
Shape	Elliptic
Apex	Acute
Base	Truncate
Margin	Entire
Color	Upper surface: Greyed-green 191B
Length and width	5 mm; 2 mm
Texture	Pubescent
Inflorescence	
Type	Double
Height	1 cm
Diameter	5.5 cm
Peduncle length	6.5-8 cm
Peduncle color	Green 138B-C
Peduncle diameter	1.8 mm
Peduncle texture	Pubescent
Number per branch	Approx 8-10 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 <i>chrysanthemum</i> odor
Color	
Center of inflorescence (disc florets)	Immature stage: Yellow-green N144D Mature stage: Yellow 7A
Color of upper surface of the ray-florets	Greyed Orange 163D at base, Yellow-orange 22B at upper part
Color of the lower surface of the ray-florets	Greyed-orange 163 C
Tonality from Distance	A garden <i>mum</i> with orange flowers
Color of the ray-florets after aging of the plant	Greyed-orange 163B
Ray florets	
Texture	Upper and lower surface smooth
Number	Ca 180
Shape	Elliptic
Apex	Dentate
Base	Attenuate
Cross-section	Flat
Longitudinal axis of majority	Straight
Length of corolla tube	2-4 mm
Ray-floret margin	Entire
Ray-floret length	1.5-2.5 cm
Ray-floret width	4-5 mm
Ratio length/width	High
Disc florets	
Disc diameter	2-4 mm
Number of disc florets	Ca. 15
Shape	Tubular
Color	Yellow-green 145C at base to Green Yellow 1D at top
Length	4 mm
Receptacle	
Color	Yellow-green 145D
Shape	Domed raised
Height	5 mm
Diameter	5 mm
Reproductive Organs	
Androecium	Present on only disc florets
Stamen length	3 mm
Stamen color	Yellow-green 144A

TABLE 1-continued

Botanical Description of <i>Chrysanthemum xmorifolium</i> Ramat. ‘Zanmublast’		
5	Anther color	Yellow 6D
	Pollen	Present in small amount
	Pollen color	Yellow 13A
	Gynoecium	Present on both ray and disc florets
	Style color	Yellow-green 154C
	Style Length	3 mm
10	Stigma color	Yellow 7A
	Stigma Width	1 mm
	Ovary	Enclosed in calyx
	Plant	
	Form	Grown as a spray type pot <i>mum</i> , outdoor raised and mounded
15	Growth habit	Spherical shape
	Growth rate	High
	Height	30 cm
	Width	50 cm
	Stem Color	Greyed-brown 199A
	Stem Strength	Strong
20	Stem Brittleness	Not brittle
	Stem Anthocyanin Coloration	Not observed
	Internode length	1-2.5 cm
	Length of lateral branch	From top to bottom 20 cm
	Lateral branch color	Green 137 C
	Lateral branch, attachment	Strong
25	Lateral branch diameter	2 mm
	Branching (average number of lateral branches)	Prolific with 7 breaks after pinching
	Natural season blooming date	October 5 (week 41)
	Foliage	
30	Leaf color	Upper side: Green 139A Lower side: Green 139c
	Color midvein	Upper side: Yellow-green 147D Lower side: Yellow-green 148D
	Size	Small; length 4-5 cm, width 2-2.8 cm
	Quantity (number per lateral branch)	Ca.26
35	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
40	Between Lateral Lobes	
	Margin of Sinus Between Lateral Lobes	Diverging
	Shape of Base	Attenuate to truncate
	Apex	Mucronulate
	Petiole length	1-2 cm
45	Petiole diameter	2 mm
	Petiole color	Yellow-green 147D

TABLE 2

Differences with the comparison variety (when grown side to side)			
		‘Zanmublast’	‘Zanmufay’
50	Natural season flowering date	week 41-45	week 42-46
55	Plant width	50 cm	45 cm

I claim:

1. A new and distinct *chrysanthemum* plant named ‘Zanmublast’ as described and illustrated.

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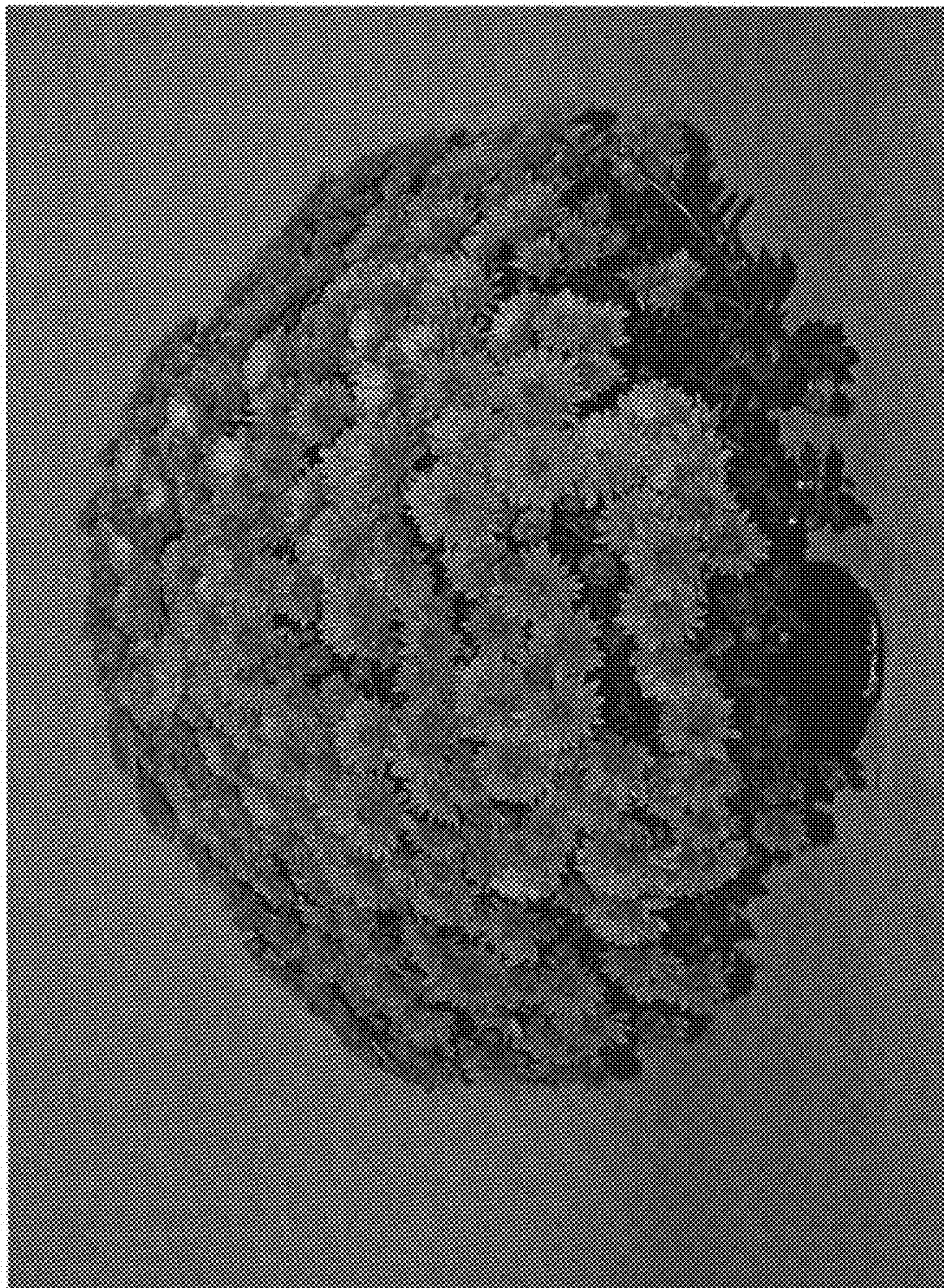


FIG. 1

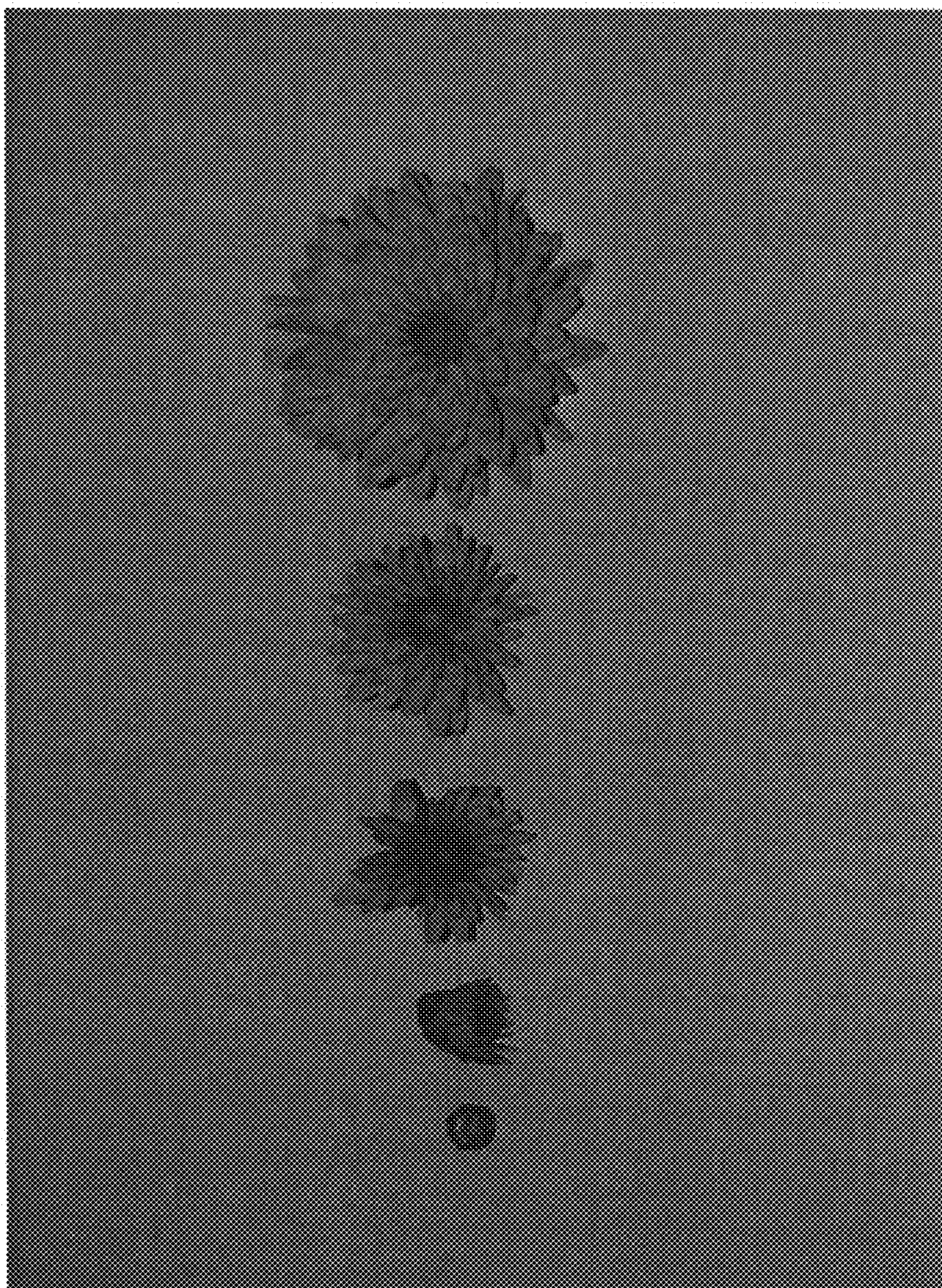


FIG. 2

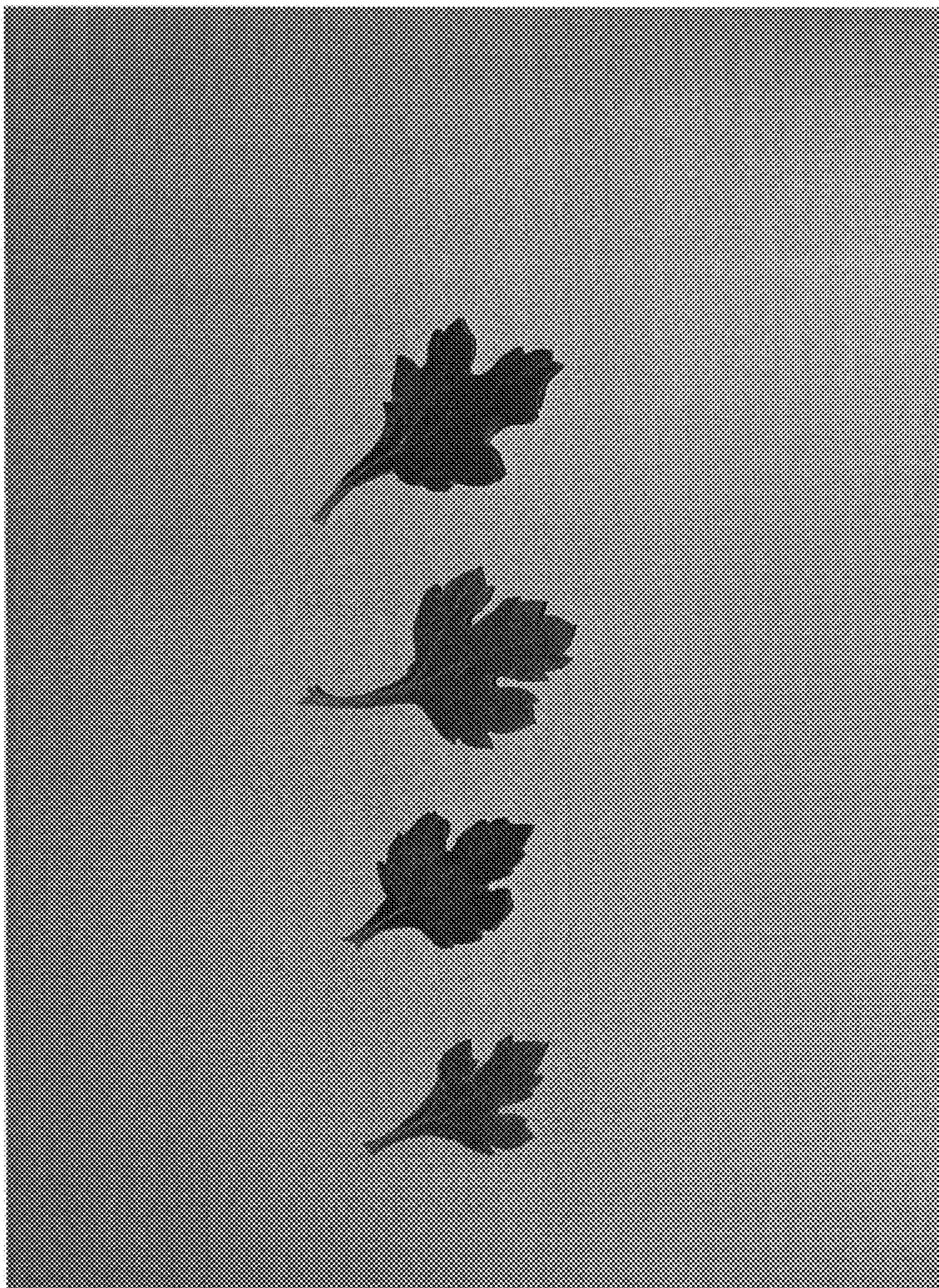


FIG. 3