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

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

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

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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.: **12/314,958**

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

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

(52) **U.S. Cl.** **Plt./289**

(58) **Field of Classification Search** **Plt./289**
See application file for complete search history.

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(57) **ABSTRACT**

A *chrysanthemum* plant named ‘Zanmusundance’ character-
ized by its medium sized blooms with yellow ray florets and
prolific branching; natural season flower date October 6–10;
blooming for a period of 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 ‘Zanmusundance’. ‘Zanmusundance’
is a product of a breeding and selection program for outdoor
pot mums (garden mums) which had the objective of creating
new *chrysanthemum* cultivars with a double type inflores-
cence, a natural season flower date October 6–10; blooming
for a period of 5 weeks. ‘Zanmusundance’ is a seedling result-
ing from the crossing of female parent id 15069 and male
parent id 4917. Plants of ‘Zanmusundance’ differ from plants
of the female parent in growth rate; those of the seedling show
a higher rate. Plants of ‘Zanmusundance’ differ from plants of
the male parent in the color of the ray-florets; that of the male
parent is white, while that of the seedling is yellow.

The new and distinct cultivar was discovered and selected
as a flowering plant by Wilhelmus Bemardus Blom on a
cultivated field in Rijsenhout, The Netherlands in 2005. The
first act of asexual production of ‘Zanmusundance’ was
accomplished when vegetative cuttings were used from the
initial selection in 2005 and propagated further in a controlled
environment in Rijsenhout, The Netherlands. The new culti-
var 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 October
6–10. 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 yellow ray florets blooming for a period of 5
weeks.

From the cultivars known to inventor the most similar
existing cultivar in comparison to ‘Zanmusundance’ is ‘Zan-
musundown’ (U.S. Plant patent application Ser. No. 12/314,
959). When ‘Zanmusundown’ and ‘Zanmusundance’ are
being compared the following difference is noticed: The dif-
ference of ‘Zanmusundown’ and ‘Zanmusundance’ are (1)
Plant size. And (2) Flower color. (1) The plants of ‘Zan-
musundown’ are smaller than those of ‘Zanmusundance’ (2)
The flower of Zanmusundown are more deeply yellow col-
ored than those of ‘Zanmusundance’.

The following is a description of the plant and character-
istics that distinguish ‘Zanmusundance’ 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. ‘Zanmusundance’	
Bud	
Size	Small; cross-section 0.6 cm, height 0.5 cm
Shape	Oblate
Texture	Pubescent
Outside Color	Greyed-green 191A

TABLE 1-continued

Botanical Description of <i>Chrysanthemum xmorifolium</i> Ramat. ‘Zanmusundance’	
Phyllaries	
Number	25-28, 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	3 mm; 2 mm
Texture	Pubescent
Inflorescence	
Type	Double
Height	0.5 cm
Diameter	4 cm
Peduncle length	4-6 cm
Peduncle color	Green 138B
Peduncle diameter	1 mm
Peduncle surface	Pubescent
Number per branch	Approx. 7 inflorescences
Flowering period individual inflorescence	Ca. 4 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 inflorescence (ray-florets)	Immature stage: Yellow 13A Mature stage: Yellow 13A
Color of upper surface of the ray-florets	Yellow 9A
Color of the lower surface of the ray-florets	Yellow 8A
Tonality from Distance	A garden mum with yellow inflorescences
Color of the ray-florets after aging of the plant	Yellow 9D
Ray florets	
Texture	Upper and lower side smooth
Number	140
Shape	Elliptic
Apex	Pointed
Base	Obtuse
Cross-section	Flat
Longitudinal axis of majority	Straight
Length of corolla tube	3 mm
Ray-floret margin	Entire
Ray-floret length	1.3-1.5 cm
Ray-floret width	5 mm
Ratio length/width	Medium
Disc florets	
Disc diameter	1 mm
Distribution of disc florets	Scarce, only visible in mature inflorescence
Shape	Tubular
Color	Yellow 11D at apex, Yellow-green at 150D at base
Number	3-4
Length	0.5 mm
Diameter	0.3 mm
Receptacle	
Shape	Conical raised
Height	5 mm
Color	Green 138C
Diameter	4 mm

TABLE 1-continued

Botanical Description of <i>Chrysanthemum xmorifolium</i> Ramat. ‘Zanmusundance’	
Reproductive Organs	
Androecium	Present on disc florets only
Stamen length	3 mm
Stamen color	Yellow-green 144A
10 Anther color	Yellow 3A
Pollen	Not observed
Gynoecium	Present in both ray and disc florets
Style colour	Yellow-green 154C
Style Length	3 mm
Stigma colour	Yellow 7A
15 Stigma Width	1 mm
Ovary	Enclosed in calyx
Plant	
Form	Grown as potmum, outdoor raised and mounded
Growth habit	Spherical shape
20 Growth rate	Medium
Height	30 cm
Width	45 cm
Stem Color	Greyed-brown 199A
Stem Strength	Weak
Stem Brittleness	Brittle
25 Stem Anthocyanin Coloration	Not observed
Internode length	1-2 cm
Length of lateral branch	From top to bottom 15-17 cm
Lateral branch color	Green 137C
Lateral branch diameter	2 mm
Lateral branch brittleness	Brittle
30 Branching (average number of lateral branches)	Prolific with 9 breaks after pinching
Natural season blooming date	October 6-10 to November 10-14
Foliage	
Leaf color	Upper side: Green 139A to Green 139B Lower side: Greyed-green 191B
35 Color midvein	Upper side: Yellow-green 147D Lower side: Yellow-green 148D
Size	Small.; length 1.5-4 cm, width 1-2.5 cm
Quantity (number per lateral branch)	15-17
40 Shape	Elliptic
Texture upper side	Sparsely pubescent
Texture under side	Pubescent
Venation arrangement	Palmate
Shape of the margin	Entire to serrated
Shape of Base of Sinus	Acute
Between Lateral Lobes	
45 Margin of Sinus Between	Diverging
Lateral Lobes	
Shape of Base	Acute to truncate
Apex	Mucronulate
Petiole length	2-5 mm
Petiole diameter	2 mm
50 Petiole color	Yellow-green 147D

TABLE 2

Differences with the comparison variety			
	‘Zanmusundance’	‘Zanmusundown’	
Plant height	30 cm	25 cm	
Plant width	45 cm	40 cm	
Color inflorescence disc	Yellow 13A	Yellow-orange 15A	
60 Color upperside ray-florets	Yellow 9A	Yellow 12A	

I claim:

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

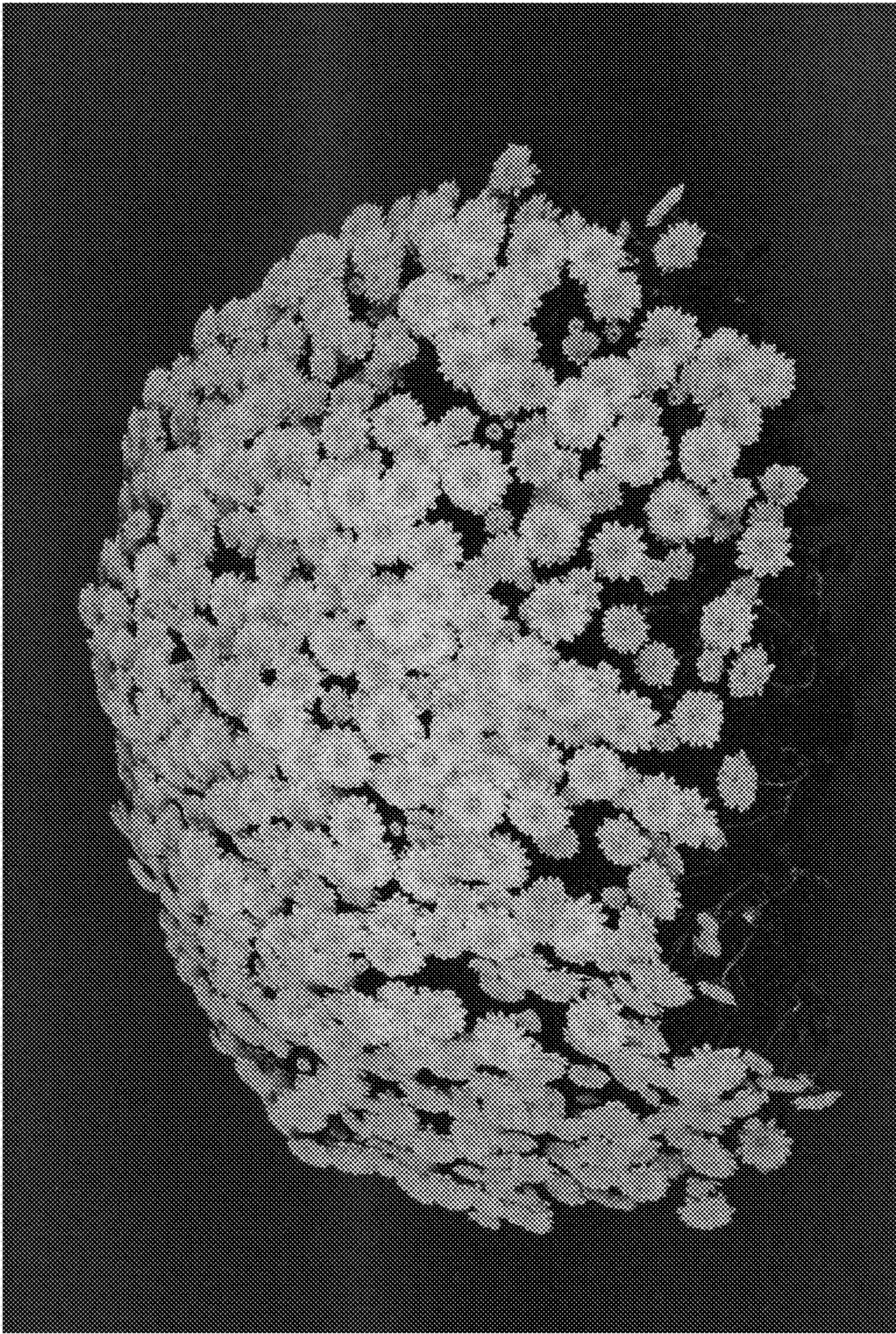


FIG. 1

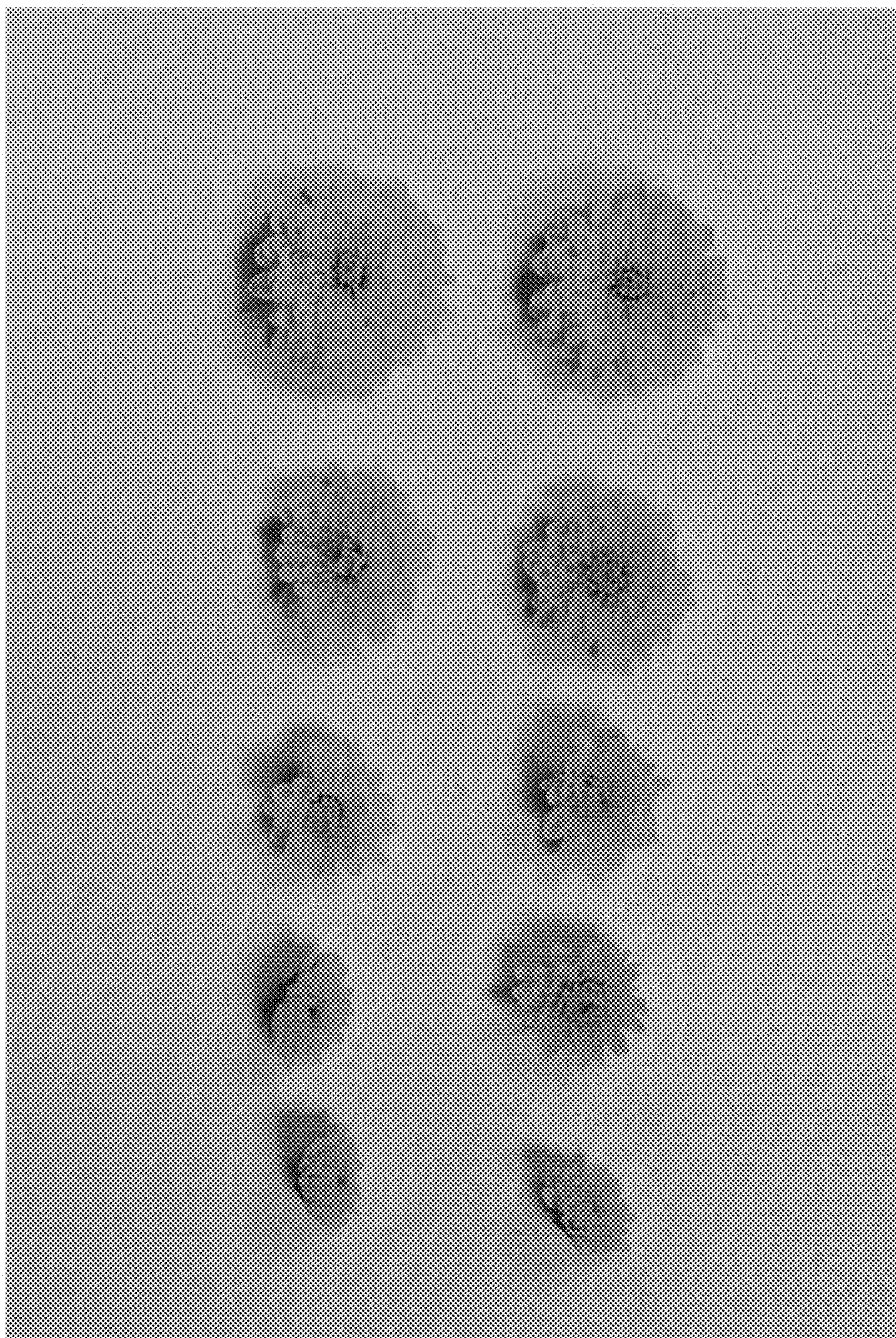


FIG. 2

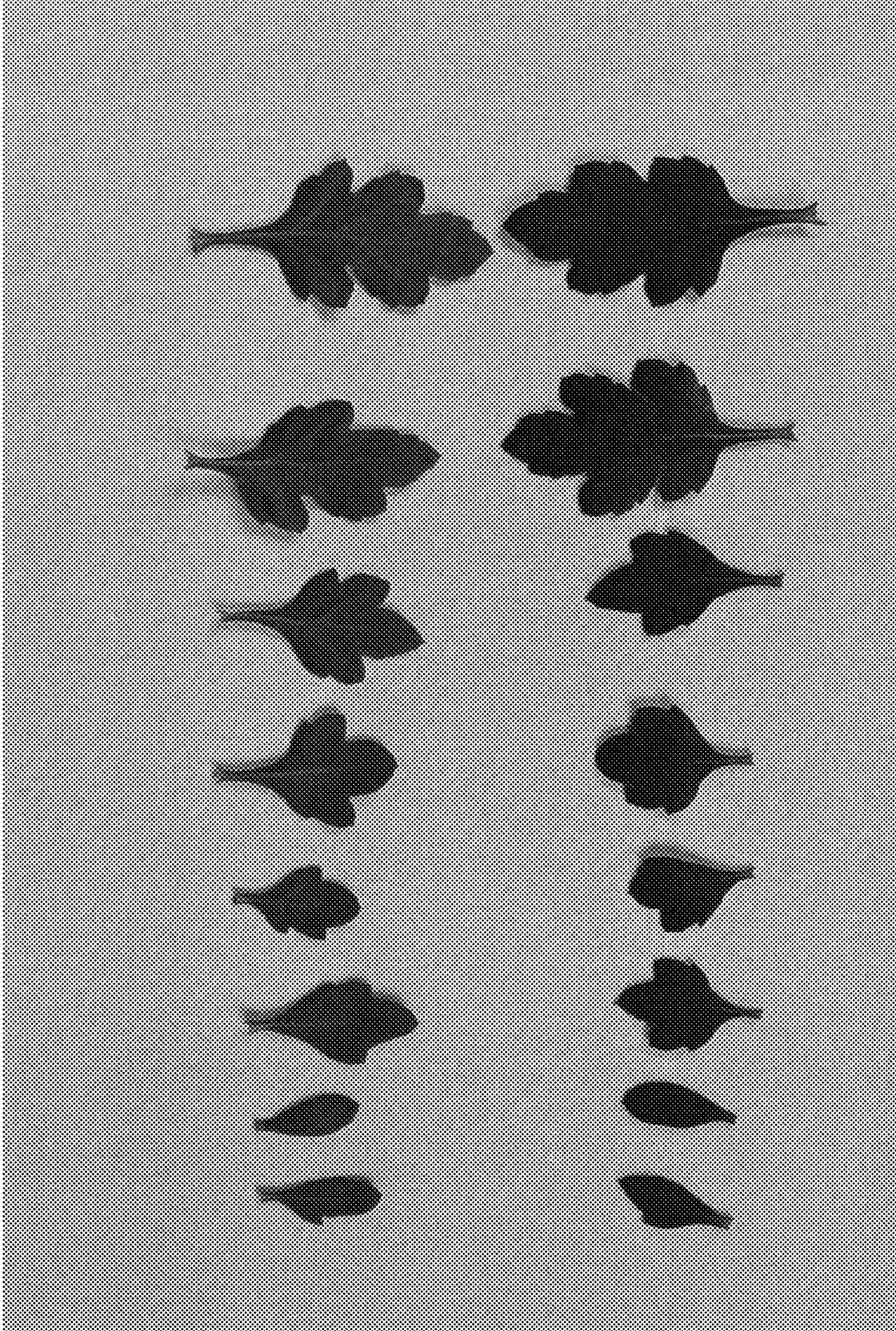


FIG. 3