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

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(54) **CHRYSANTHEMUM PLANT NAMED**
'CIDZ0107'

(50) Latin Name: *Chrysanthemum x morifolium*
Varietal Denomination: **CIDZ0107**

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patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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A01H 5/02 (2018.01)
A01H 6/14 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./292**
CPC **A01H 6/1424** (2018.05)

(58) **Field of Classification Search**
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CPC **A01H 6/1424; A01H 5/02**
See application file for complete search history.

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(57) **ABSTRACT**

A new garden type *Chrysanthemum* plant named
'CIDZ0107' particularly distinguished by its medium sized
lavender double-type inflorescences, compact strong and
uniform plant habit, and a flowering response time of 7.5
weeks.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed:
Chrysanthemum x morifolium.

Varietal denomination: 'CIDZ0107'.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new *Chrysanthemum*,
botanically known as *Chrysanthemum x morifolium*, and
hereinafter referred to by the variety name 'CIDZ0107'.

'CIDZ0107' is a product of a planned breeding program.
The new cultivar has medium sized lavender double-type
inflorescences, compact strong and uniform plant habit, and
a flowering response time of 7.5 weeks.

'CIDZ0107' originated from a hybridization made in
October 2009 in a greenhouse in Gilroy, Calif. The female
parent was the unpatented, proprietary plant designated as
'B1182', having bronze double-type inflorescences, a larger
flower size and slower flowering response when compared
to 'CIDZ0107'.

The male parent of 'CIDZ0107' was the unpatented,
proprietary plant designated as 'B3019', having purple
semi-double type inflorescences and more vigorous growth
habit than 'CIDZ0107'.

The seed was sown in March 2011 and the resulting plants
were grown in pots in a greenhouse in Gilroy, Calif.
'CIDZ0107' was selected as one flowering plant within the
progeny of the stated cross in August 2011.

The first act of asexual reproduction of 'CIDZ0107' was
accomplished when vegetative stem cuttings were propa-
gated from the initial selection in December 2011, in Gilroy
Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings
of the plant initiated in December 2011 and continuing
thereafter, has demonstrated that the combination of char-

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acteristics as herein disclosed for 'CIDZ0107' are firmly
fixed and are retained through successive generations of
asexual reproduction.

'CIDZ0107' has not been observed under all possible
environmental conditions. The phenotype may vary signifi-
cantly with variations in environment such as temperature,
light intensity and day length.

A Plant Breeder's Right for this cultivar has not yet been
applied for. 'CIDZ0107' has not been made publicly avail-
able prior to the effective filing date of this application,
notwithstanding any disclosure that may have been made
less than one year prior to the effective filing date of this
application by the inventor or another who obtained
'CIDZ0107' directly from the inventor.

The following traits have been repeatedly observed and
are determined to be basic characteristics of the new variety.
The combination of these characteristics distinguishes this
Chrysanthemum as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawings show typical
flower and foliage characteristics of 'CIDZ0107' with colors
being as true as possible with an illustration of this type.

The photographic drawings show in FIG. 1 a close-up
view of an inflorescence and in

FIG. 2 a flowering plant of the new variety.

DETAILED BOTANICAL DESCRIPTION

The plant descriptions and measurements were taken
indoors in Hollister, Calif. in April 2020 on about 11 week
old plants. Unrooted cuttings had been planted, 4 plants per
pot, in 6 inch pots on Feb. 12, 2020. The plants were pinched
and moved to short days on Mar. 4, 2020 to induce flow-
ering.

The aforementioned photographs: FIGS. 1 and 2 were
taken of the same plants used for the descriptions and
measurements in Hollister, Calif. in April 2020.

Color references are made to The Royal Horticultural Society Colour Chart (RHS) 2001.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIDZ0107' AND A MOST SIMILAR VARIETY:		
	'CIDZ0107'	'Yopresidio', U.S. Plant Pat.No. 13,896
Plant size and habit:	Shorter	Taller
Flowering response:	Faster	Slower
Flower size:	Smaller	Larger

Plant:

Form, growth and habit.—Herbaceous pot-type, stems upright to moderately angled, freely branching, strong and compact growth habit.

Plant height.—14.0-15.0 cm.

Plant height (inflorescence included).—20.0 cm.

Plant width.—33.0-35.0 cm.

Roots:

Number of days to initiate roots.—4 days at about 22 degrees C.

Number of days to produce a rooted cutting.—10-12 days at 22 degrees C.

Type.—Fine, fibrous, free branching.

Color.—RHS N155B but whiter.

Foliage:

Arrangement.—Alternate.

Immature, leaf color, upper surface.—RHS 137A.

Lower surface.—RHS 138A.

Mature, leaf color, upper surface.—RHS 139A.

Lower surface.—RHS 137A.

Length.—7.0-8.0 cm.

Width.—4.6-5.3 cm.

Shape.—Ovate.

Base shape.—Acute.

Apex shape.—Obtuse.

Margin.—Palmately lobed; irregularly incised, somewhat serrate.

Texture, upper surface.—Puberlulent.

Lower surface.—Puberlulent.

Color of veins, upper surface.—RHS 139C.

Color of veins, lower surface.—RHS 137A.

Pattern of veining.—Palmate.

Petiole color.—RHS 139A.

Length.—2.3-2.6 cm.

Diameter.—0.2-0.25 cm.

Texture.—Puberlulent.

Stem:

Quantity of main branches per plant.—4-5.

Color of stem.—RHS 138B.

Length of stem.—10.5-13.5 cm.

Diameter.—0.4-0.5 cm.

Length of internodes.—0.5-2.7 cm.

Texture.—Puberlulent.

Color of peduncle.—RHS 138A.

Length of peduncle.—3.5-6.0 cm.

Peduncle diameter.—0.2-0.25 cm.

Texture.—Puberlulent.

Inflorescence:

Type.—Compositae type, double-type inflorescences borne terminally above foliage, ray florets arranged acropetally on a capitulum.

Quantity of short days to flowering (response time).—7.5 weeks.

Natural season flowering.—Not determined for this variety.

Quantity of inflorescences per plant.—17-24.

Lastingness of individual blooms on the plant.—4 weeks.

Fragrance.—Slightly spicy.

Bud (just when opening/showing color):

Color.—RHS 77A.

Length.—1.0 cm.

Width.—1.0 cm.

Shape.—Oblate.

Immature inflorescence:

Diameter.—6.4 cm.

Color of ray florets, upper surface.—Closest to RHS 78A.

Lower surface.—Closest to RHS 77C.

Mature inflorescence:

Diameter.—8.0-8.4 cm.

Depth.—2.5 cm.

Total diameter of disc.—0.5 cm.

Receptacle color.—RHS 145B.

Receptacle height.—0.2 cm.

Receptacle diameter.—0.6 cm.

Ray florets:

Average quantity of florets.—158.

Color of florets, upper surface.—Closest to RHS 78B.

Lower surface.—Closest to RHS 77C.

Length.—3.3-4.1 cm.

Width.—0.9-1.1 cm.

Shape.—Elliptical.

Apex shape.—Mostly cuspidate and a few emarginate.

Margin.—Entire.

Texture, upper surface.—Papillose.

Lower surface.—Papillose.

Disc florets:

Average quantity of florets.—25.

Color of florets.—RHS 7A.

Length.—0.5 cm.

Width.—0.1 cm.

Shape.—Tubular, elongated.

Apex shape.—Acute, 5 pointed.

Phyllaries:

Quantity.—31-36.

Color, upper surface.—RHS 137B.

Lower surface.—RHS 137B.

Length.—0.9-1.0 cm.

Width.—0.3-0.4 cm.

Shape.—Lanceolate.

Apex shape.—Acute.

Base.—Fused.

Margins.—Entire; slightly papery.

Texture, upper surface.—Glabrous.

Lower surface.—Puberlulent.

Reproductive organs:

Pistil.—1, found on both types of florets.

Length.—0.5 cm.

Style color.—RHS 4D.

Style length.—0.4 cm.

Stigma color.—RHS 4B.

Stigma shape.—Bi-parted.

Ovary color.—RHS 155C but more translucent.

Stamens.—4, found on only the disc florets.

Color of filaments.—RHS 155C.

Length filaments.—0.2 cm.
Anther color.—RHS 12A.
Anther length.—0.15 cm.
Anther shape.—Oval.
Color of pollen.—RHS 12A.
Pollen amount.—Scant.
Fertility/seed set.—Has not been observed to date.

Disease/pest resistance.—Has not been observed to date.

What is claimed is:

1. A new and distinct variety of *Chrysanthemum* plant
5 named 'CIDZ0107' substantially as illustrated and described herein.

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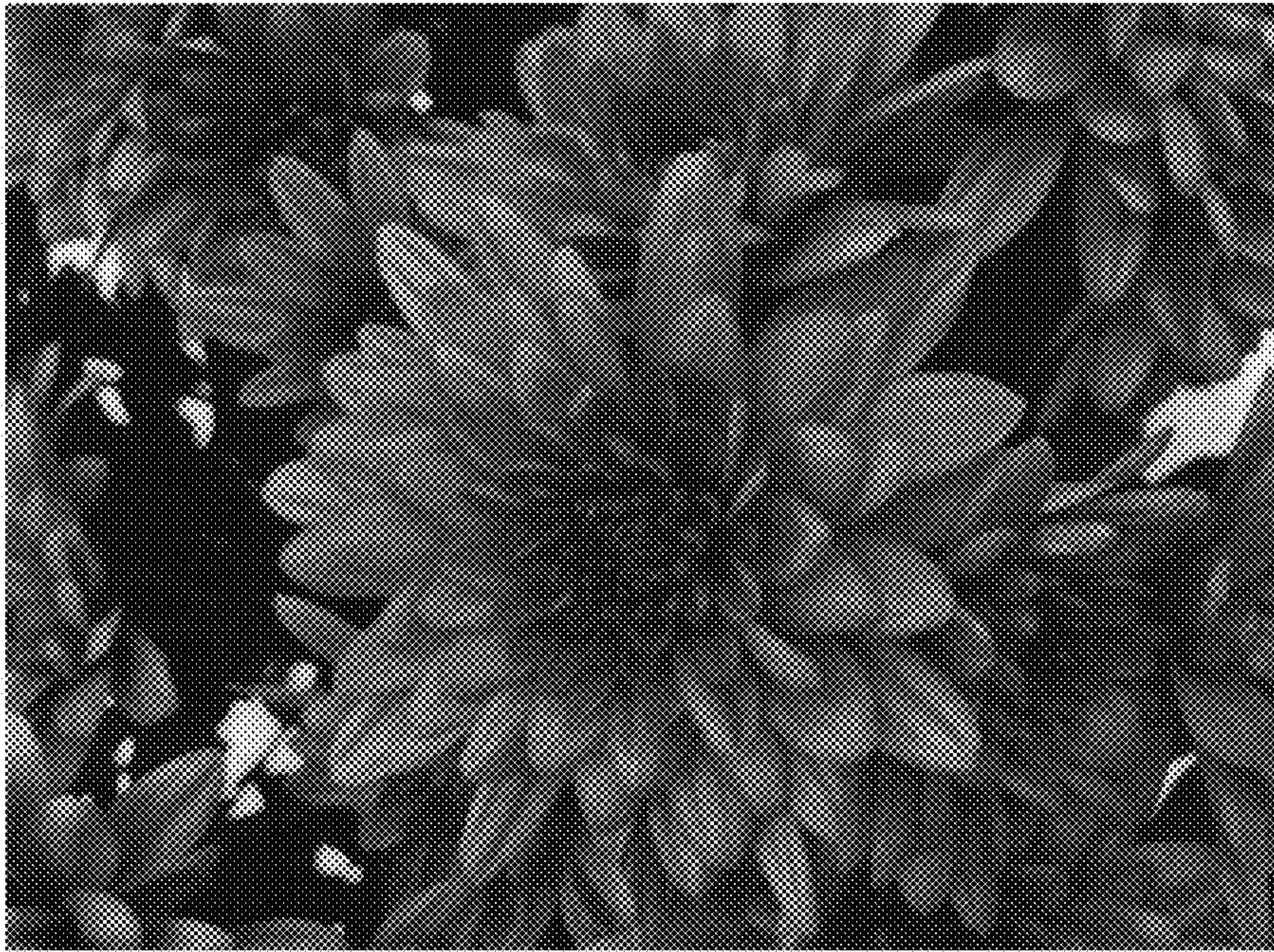


FIG. 1

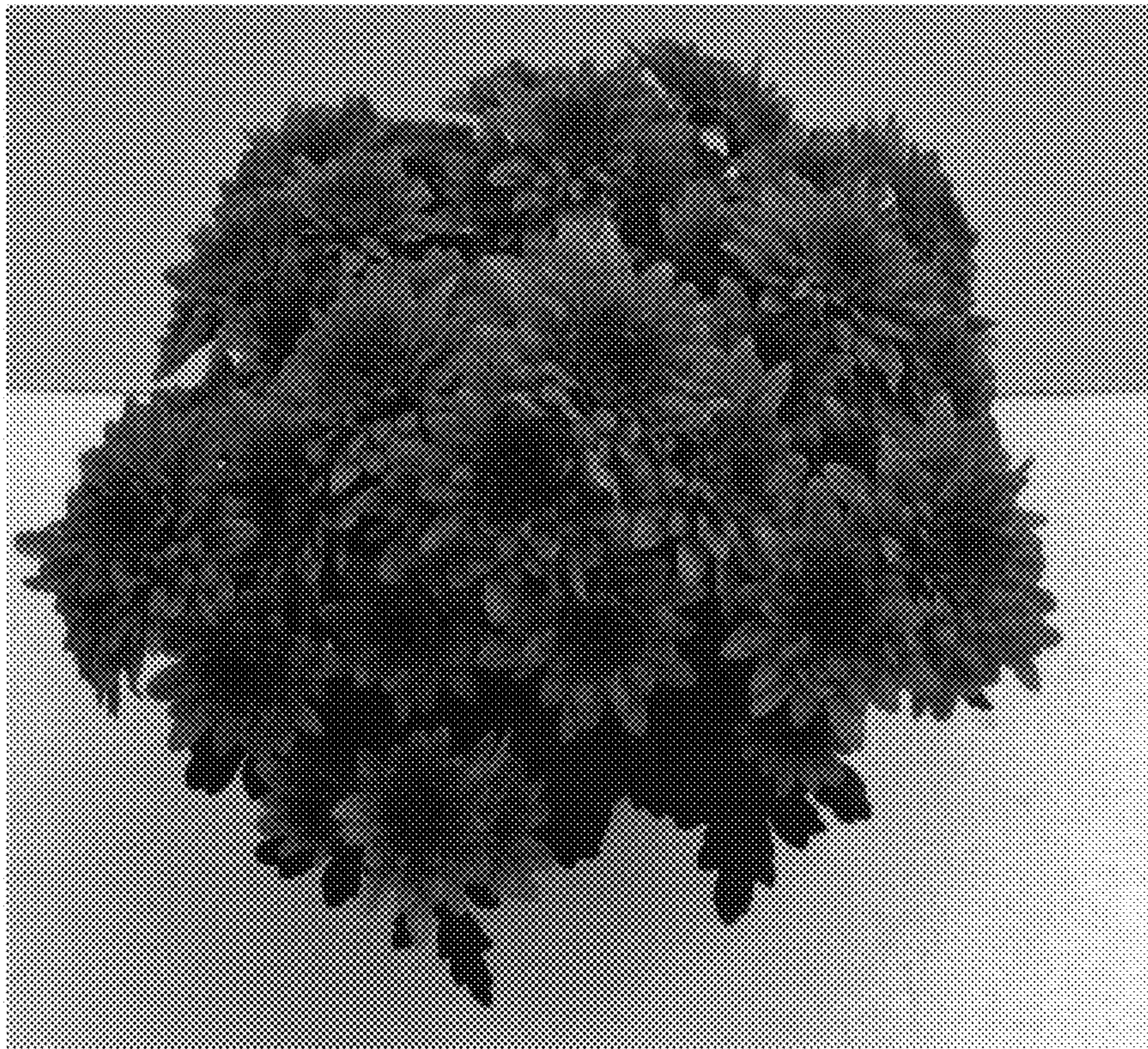


FIG. 2