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

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(54) **CHRYSANTHEMUM PLANT NAMED**
'CIDZ0093'

(50) Latin Name: *Chrysanthemum x morifolium*
Varietal Denomination: **CIDZ0093**

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

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A01H 6/14 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./295**

(58) **Field of Classification Search**
USPC Plt./263.1, 284, 286, 295
See application file for complete search history.

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(57) **ABSTRACT**

A new *Chrysanthemum* plant named 'CIDZ0093' having
yellow daisy-type inflorescences, excellent flower produc-
tion, very vigorous growth and spreading plant habit, and
very uniform flowering with response time of 7.5 weeks
when grown under short days.

1 Drawing Sheet

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

Varietal denomination: 'CIDZ0093'.

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 'CIDZ0093'.

'CIDZ0093' is a product of a planned breeding program.
The new cultivar has yellow daisy-type inflorescences,
excellent flower production, very vigorous growth and
spreading plant habit, and very uniform flowering with
response time of 7.5 weeks when grown under short days.

'CIDZ0093' originates as a natural whole plant mutation
discovered among flowering plants of 'C0135' growing in a
greenhouse in Gilroy, Calif. in November 2015.

The parent 'C0135' is an unpatented proprietary breeding
line and having inflorescences of a pale pink hue under usual
conditions, differing from 'CIDZ0093' which has yellow
inflorescences.

The first act of asexual reproduction of 'CIDZ0093' was
accomplished when vegetative cuttings were propagated
from the initial selection in February 2016 in a greenhouse
in Gilroy, Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings
of the plant initiated February, 2016, and continuing there-
after, has demonstrated that the combination of characteris-
tics as herein disclosed for 'CIDZ0093' are firmly fixed and
are retained through successive generations of asexual
reproduction.

'CIDZ0093' has not been observed under all possible
environmental conditions. The phenotype may vary signifi-
cantly with variations in environment such as temperature,
light intensity arid day length.

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A Plant Breeder's Right for this cultivar was applied for
in Canada on Nov. 19, 2018, No. 15582. 'CIDZ0093' has not
been made publicly available 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 'CIDZ0093' 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 drawing shows typical
flower and foliage characteristics of 'CIDZ0093' with colors
being as true as possible with an illustration of this type. The
photographic drawing shows in FIG. 1 a close-up view of the
inflorescence of the new variety and in FIG. 2 a whole
flowering plant grown in a greenhouse.

DETAILED BOTANICAL DESCRIPTION

The plant descriptions and measurements were taken
indoors in Gilroy, Calif. in November 2018 on about 12
week old plants. Unrooted cuttings had been planted, 4
plants per pot, in 6 inch pots on Aug. 22, 2018. The plants
were pinched and moved to short days on Sep. 19, 2018 to
induce flowering.

The aforementioned photographs: FIGS. 1 and 2 was
taken in Gilroy, Calif. in November 2018, and showing a
plant from a trial, in which flowering had been induced by
applying black cloth.

These plants were about 12 weeks of age. Unrooted
cuttings had been planted, 4 plants per pot, in 6 inch pots.
The plants were pinched and moved to short days to induce
flowering.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.) 2001.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIDZ0093' AND A MOST SIMILAR VARIETY:		
	'CIDZ0093'	'Yochesapeake' (U.S. Plant Pat. No. 12,535)
Plant height:	Shorter	Taller
Flower color:	Medium yellow	Stronger yellow
Flowering response:	Faster	Slower

Plant:

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

Plant height.—24-26 cm.

Plant height (inflorescence included).—29-30 cm.

Plant width.—25-27 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 NN137A.

Lower surface.—RHS NN137C.

Mature, leaf color, upper surface.—RHS 137B.

Lower surface.—RHS 137C.

Length.—7.0-8.0 cm.

Width.—6.0-8.0 cm.

Shape.—Ovate

Base shape.—Attenuate to Divergent.

Apex shape.—Obtuse.

Margin.—Lobed and some serrated.

Texture, upper surface.—Small hairs.

Lower surface.—Small hairs.

Color of veins, upper surface.—RHS 138A.

Color of veins, lower surface.—RHS 138A.

Pattern of veining.—Palmate to Pinnate.

Petiole color.—RHS 138B.

Length.—1.6-1.8 cm.

Diameter.—0.2 cm.

Texture.—Small hairs.

Stem:

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

Color of stem.—RHS 137A.

Length of stem.—20-22 cm.

Diameter.—0.3-0.5 cm.

Length of internodes.—1.5 cm.

Texture.—Small hairs.

Color of peduncle.—RHS 137A.

Length of peduncle.—1 cm.

Peduncle diameter.—0.2 cm.

Texture.—Hairs.

Inflorescence:

Type.—Compositae type, solitary daisy-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 on this variety.

Quantity of inflorescences per plant.—16-18 flowers.

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

Fragrance.—Daisy like.

Bud (just when opening/showing color):

Color.—RHS 1B.

Length.—1.6 cm.

Width.—1.1-1.3 cm.

Shape.—Oblate.

Immature inflorescence:

Diameter.—5.0-7.0 cm.

Color of ray florets, upper surface.—RHS 5A.

Lower surface.—RHS 5D.

Mature inflorescence: Not fully mature.

Diameter.—7.0-8.2 cm.

Depth.—2.5-3.1 cm.

Total diameter of disc.—1.7-2.1 cm.

Receptacle color.—RHS 149C.

Receptacle height.—0.3 cm.

Receptacle diameter.—0.7 cm.

Ray florets:

Average quantity of florets.—20-24.

Color of ray florets, upper surface.—RHS 2A.

Lower surface.—RHS 3D.

Length.—3.6 cm.

Width.—1.1-1.2 cm.

Shape.—Elliptical.

Apex shape.—Acute.

Margin.—Entire.

Texture, upper surface.—Smooth.

Lower surface.—Smooth.

Disc florets:

Average quantity of florets.—180-210.

Color of florets.—RHS 6A to RHS 145B lower end.

Length.—0.4-0.6 cm.

Width.—0.2 cm.

Shape.—Tubular, elongated.

Apex shape.—Acute, 5 pointed.

Phyllaries:

Quantity.—20-25.

Color, upper surface.—RHS 137A.

Lower surface.—RHS 137B.

Length.—0.7-1.1 cm.

Width.—0.2-0.3 cm.

Shape.—Lanceolate.

Apex shape.—Acute.

Base.—Fused.

Margins.—Entire; slightly papery.

Texture, upper surface.—Hair.

Lower surface.—Smooth.

Reproductive organs:

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

Length.—0.7 cm.

Style color.—RHS 1D.

Style length.—0.5 cm.

Stigma color.—RHS 5A.

Stigma shape.—Bi-parted.

Ovary color.—RHS 155C but more translucent.

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

Color of filaments.—RHS 155C.

Length filaments.—0.4-0.5 cm.

Anther color.—RHS 15A.

Anther length.—0.15 cm.

Anther shape.—Oval.

Color of pollen.—RHS 17B.

Pollen amount.—Sparse.

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 named 'CIDZ0093' substantially as illustrated and described herein.

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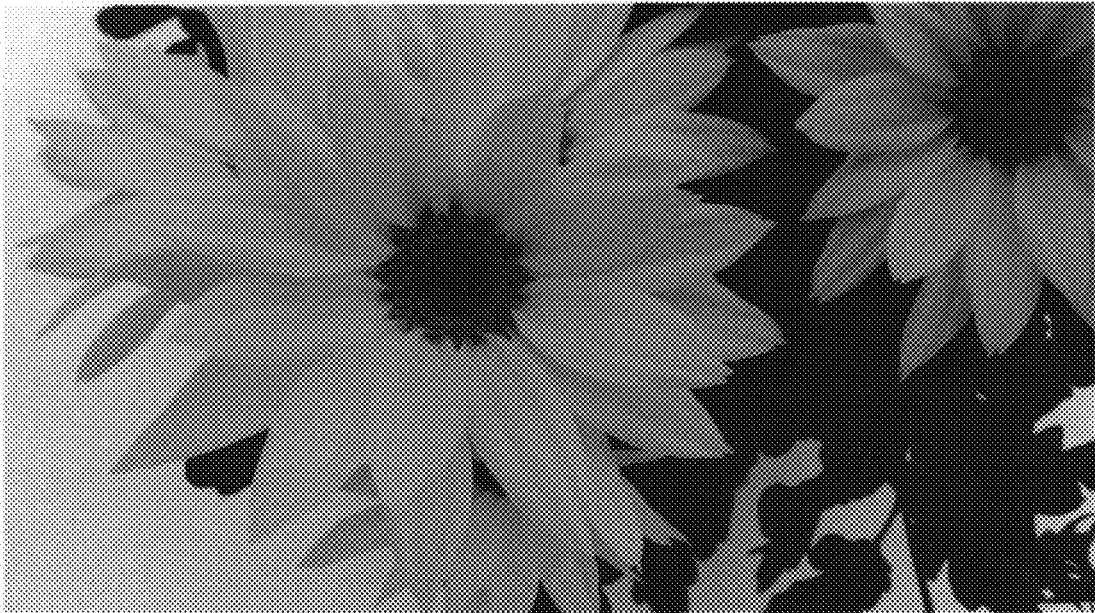


FIG. 1

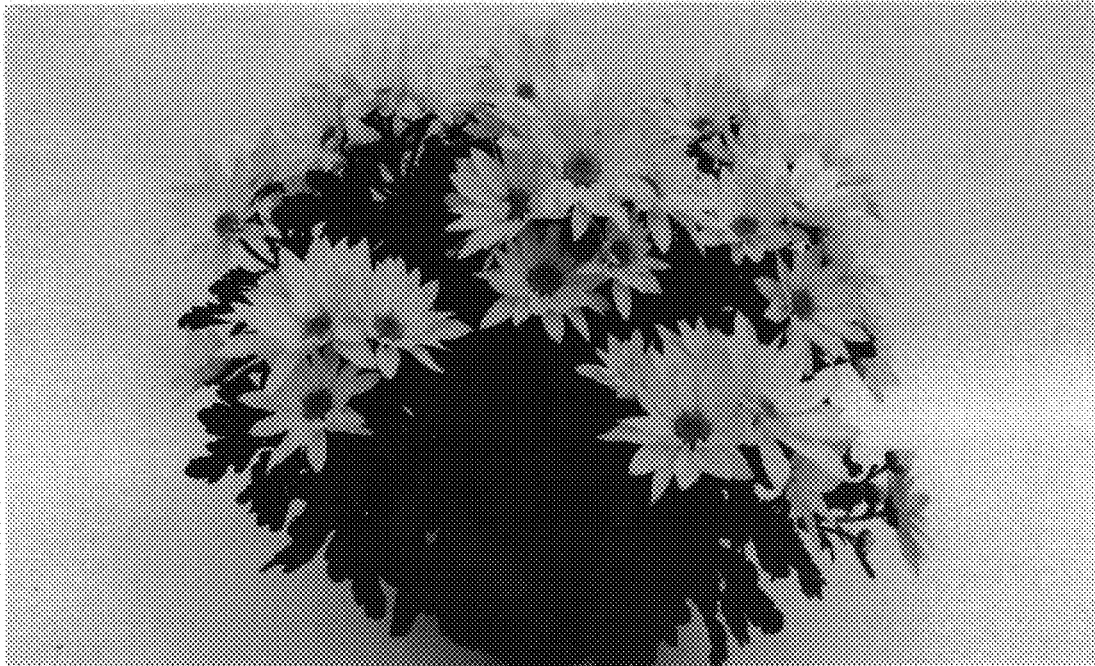


FIG. 2