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(12) **United States Plant Patent**
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(54) **CHRYSANTHEMUM PLANT NAMED**
'CIDZ0100'

(50) Latin Name: *Chrysanthemum x morifolium*
Varietal Denomination: **CIDZ0100**

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A01H 6/14 (2018.01)

(52) **U.S. Cl.**
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CPC *A01H 6/1424* (2018.05); *A01H 5/02* (2013.01)

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

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(57) **ABSTRACT**

A new garden type *Chrysanthemum* plant named 'CIDZ0100' particularly distinguished by its medium sized purple and white striped daisy-type inflorescences, strong and uniform plant habit, and a flowering response time of 7 weeks.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed:
Chrysanthemum x morifolium.
Varietal denomination: 'CIDZ0100'.

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 'CIDZ0100'.

'CIDZ0100' is a product of a planned breeding program. The new cultivar has medium sized purple and white striped daisy-type inflorescences, strong and uniform plant habit, and a flowering response time of 7 weeks.

'CIDZ0100' originated from a hybridization made in October 2013 in a greenhouse in Gilroy, Calif. The female parent was the unpatented, proprietary plant designated as 'B7984', having solid purple daisy inflorescences and larger and fuller plant habit when compared to 'CIDZ0100'. 'CIDZ0100' differs from the female parent in that the plant habit of 'CIDZ0100' is less vigorous, flowering response is 3-4 days faster and the flowers are purple and white in a longitudinal stripe pattern.

The male parent of 'CIDZ0100' was the unpatented, proprietary plant designated as 'B8463', with white colored daisy-type inflorescences and slower flowering response than 'CIDZ0100'. 'CIDZ0100' differs from the male parent in that 'CIDZ0100' does not produce pollen, has a smaller flower diameter, flowers 2-3 days faster and the flowers are purple and white in a longitudinal stripe pattern.

The seed was sown in May 2014 and the resulting plants were grown in pots in a greenhouse in Gilroy, Calif. 'CIDZ0100' was selected as one flowering plant within the progeny of the stated cross in October 2014.

The first act of asexual reproduction of 'CIDZ0100' was accomplished when vegetative cuttings were propagated from the initial selection in February 2015 in Gilroy Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings of the plant initiated in May, 2015 and continuing thereafter,

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has demonstrated that the combination of characteristics as herein disclosed for 'CIDZ0100' are firmly fixed and are retained through successive generations of asexual reproduction.

5 'CIDZ0100' has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity and day length.

10 A Plant Breeder's Right for this cultivar has not yet been applied for. 'CIDZ0100' 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 15 'CIDZ0100' 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. 20

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

25 The accompanying photographic drawings show typical flower and foliage characteristics of 'CIDZ0100' 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

30 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 35 pot, in 6 inch pots on Feb. 12, 2020. The plants were pinched and moved to short days on Mar. 4, 2020 to induce flowering.

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 (R.H.S.) 2001.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIDZ0100' AND A MOST SIMILAR VARIETY:		
	'CIDZ0100'	'CIDZ0080' (Not patented)
Plant size and habit:	Shorter	Taller
Flowering response:	Faster	Slower
Flower color:	Purple and white	Pink and white

Plant:

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

Plant height.—12.0-15.0 cm.

Plant height (inflorescence included).—21.0-24.0 cm.

Plant width.—33.0-36.0 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 137C.

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

Lower surface.—RHS 137A.

Length.—6.2-7.3 cm.

Width.—5.0-6.5 cm.

Shape.—Ovate.

Base shape.—Acute.

Apex shape.—Obtuse.

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

Texture, upper surface.—Puberulent.

Lower surface.—Puberulent.

Color of veins, upper surface.—RHS 137C.

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

Pattern of veining.—Palmate.

Petiole color.—RHS 139A.

Length.—1.8-2.5 cm.

Diameter.—0.3-0.4 cm.

Texture.—Puberulent.

Stem:

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

Color of stem.—RHS 137A.

Length of stem.—11.0-14.0 cm.

Diameter.—0.4-0.5 cm.

Length of internodes.—0.5-1.8 cm.

Texture.—Puberulent.

Color of peduncle.—RHS 138A.

Length of peduncle.—2.9-8.0 cm.

Peduncle diameter.—0.2 cm.

Texture.—Puberulent.

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 weeks.

Natural season flowering.—Not determined for this variety.

Quantity of inflorescences per plant.—18-28.

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

Fragrance.—Slightly spicy.

Bud (just when opening/showing color):

Color.—Closest to RHS 158C.

Length.—0.7-0.8 cm.

Width.—0.9-1.0 cm.

Shape.—Oblate.

Immature inflorescence:

Diameter.—5.0-6.5 cm.

Color of ray florets, upper surface.—Closest to RHS 71A and RHS 155D.

Lower surface.—Closest to RHS 155D with RHS 72B.

Mature inflorescence:

Diameter.—8.0-9.6 cm.

Depth.—2.0-3.2 cm.

Total diameter of disc.—1.7-1.8 cm.

Receptacle color.—RHS 145B.

Receptacle height.—0.4 cm.

Receptacle diameter.—0.6 cm.

Ray florets:

Average quantity of florets.—24-32.

Color of florets, upper surface.—Closest to RHS 71A and RHS 155D.

Lower surface.—Closest to RHS 155D and RHS 72B.

Length.—4.2-4.9 cm.

Width.—0.9-1.2 cm.

Shape.—Elliptical.

Apex shape.—Acute, or mucronate or emarginate, some of each.

Margin.—Entire.

Texture, upper surface.—Papillose.

Lower surface.—Papillose.

Disc florets:

Average quantity of florets.—255.

Color of florets.—RHS 154B apex; RHS 145C at the base.

Length.—0.6 cm.

Width.—0.1-0.15 cm when open.

Shape.—Tubular, elongated.

Apex shape.—Acute, 5 pointed.

Phyllaries:

Quantity.—22-25.

Color, upper surface.—RHS 138A.

Lower surface.—RHS 137B.

Length.—0.6-0.8 cm.

Width.—0.2-0.3 cm.

Shape.—Lanceolate.

Apex shape.—Acute.

Base.—Fused.

Margins.—Entire; slightly papery.

Texture, upper surface.—Glabrous.

Lower surface.—Puberulent.

Reproductive organs:

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

Length.—0.5 cm.

Style color.—RHS 155C.
Style length.—0.4 cm.
Stigma color.—RHS 17C.
Stigma shape.—Bi-parted.
Ovary color.—RHS 155C but more translucent.
Stamens.—4, found on 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.—Absent.
Pollen amount.—Absent.
Fertility/seed set.—Has not been observed to date.
Disease/pest resistance.—Has not been observed to date.

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What is claimed is:

1. A new and distinct variety of *Chrysanthemum* plant named 'CIDZ0100' substantially as illustrated and described herein.

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FIG. 1

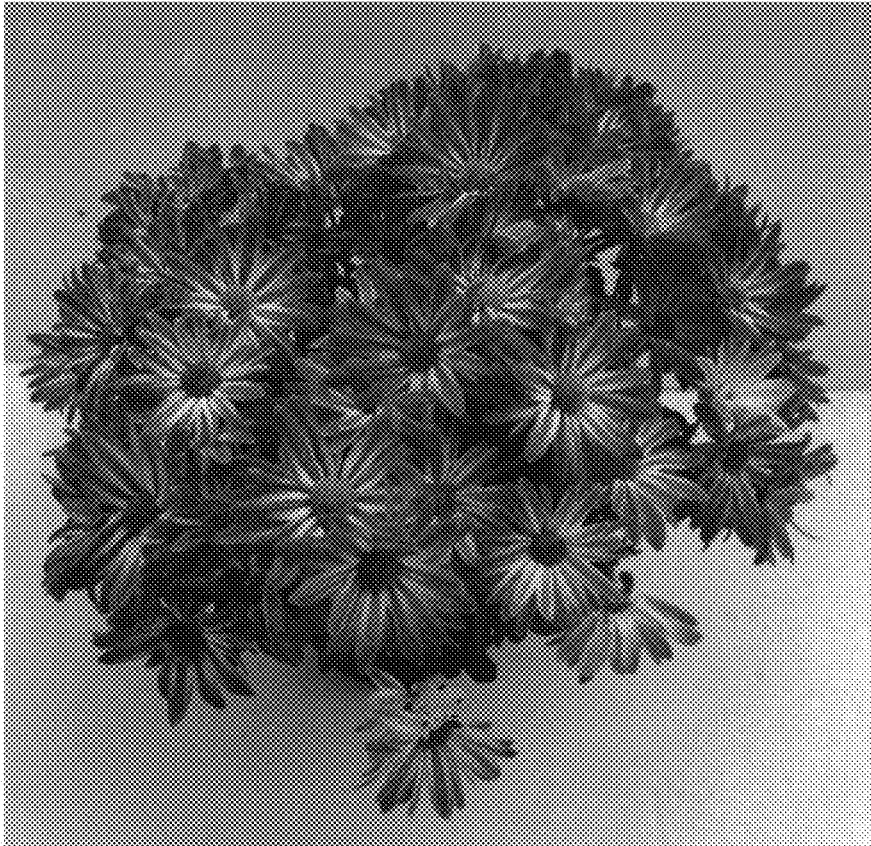


FIG. 2