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Bergman

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(54) **CHRYSANTHEMUM PLANT NAMED**
‘CIDZ0112’

(50) Latin Name: *Chrysanthemum x morifolium*
Varietal Denomination: **CIDZ0112**

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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.**
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(58) **Field of Classification Search**
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6/1424; A01H 6/385
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

Upov Pluto Plant Variety Database Sep. 4, 2021, retrieved on Sep.
7, 2021, retrieved from the Internet at <https://www3.wipo.int/pluto/user/en/index.jsp>, one page. (Year: 2021).*

* cited by examiner

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(57) **ABSTRACT**

A new *Chrysanthemum* plant named ‘CIDZ0112’ having
medium sized white daisy-type inflorescences, compact
strong and uniform plant habit, superior high temperature
tolerance, 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: ‘CIDZ0112’.

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 ‘CIDZ0112’.

‘CIDZ0112’ is a product of a planned breeding program.
The new cultivar has medium sized white daisy-type inflorescences,
compact strong and uniform plant habit, superior high temperature
tolerance, and a flowering response time of 7 weeks.

‘CIDZ0112’ originated from a hybridization made in
August 2013 in a greenhouse in Gilroy, Calif. The female
parent was the unpatented, proprietary breeding line designat-
ed as ‘B5550’, having white duplex daisy-type inflorescences,
a larger flower size and slower flowering response
when compared to ‘CIDZ0112’.

The male parent of ‘CIDZ0112’ was the unpatented,
proprietary breeding line designated as ‘B8463’, having
white daisy-type inflorescences, more vigorous growth
habit, and greater pollen production than ‘CIDZ0112’.

The seed was sown in May 2014 and the resulting plants
were grown in pots in a greenhouse in Gilroy, Calif.
‘CIDZ0112’ was selected as one flowering plant within the
progeny of the stated cross in October 2014.

The first act of asexual reproduction of ‘CIDZ0112’ was
accomplished when vegetative cuttings were propagated
from the initial selection in January 2015 in Gilroy Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings
of the plant initiated in January 2015 and continuing there-

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after, has demonstrated that the combination of characteris-
tics as herein disclosed for ‘CIDZ0112’ are firmly fixed and
are retained through successive generations of asexual
reproduction.

5 ‘CIDZ0112’ 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.

10 A Plant Breeder’s Right for this cultivar was applied for
in Canada on Aug. 4, 2021, No. 21-10681. ‘CIDZ0112’ 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
15 filing date of this application by the inventor or another who
obtained ‘CIDZ0112’ 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
20 *Chrysanthemum* as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawing shows typical
flower and foliage characteristics of ‘CIDZ0112’ with colors
25 being as true as possible with an illustration of this type.

The photographic drawing shows in FIG. 1 a close-up
view of an inflorescence, and in
FIG. 2 a flowering plant of the new variety.

30 **DETAILED BOTANICAL DESCRIPTION**

The plant descriptions and measurements were taken
indoors in Hollister, Calif. in May 2020 on about 9 week old

plants. Unrooted cuttings had been planted, 4 plants per pot, in 6 inch pots on Mar. 3, 2021. The plants were pinched and moved to short days on Mar. 24, 2021 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. on May 4, 2021.

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

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIDZ0112' AND A MOST SIMILAR VARIETY:		
	'CIDZ0112'	'Yojuneau', U.S. Plant Pat. No. 20,560
Plant size and habit:	Shorter	Taller
Flowering response:	Faster	Slower
Flower size:	Larger	Smaller

Plant:

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

Plant height.—14.0-5.0 cm.

Plant height (inflorescence included).—19.0 cm.

Plant width.—29.0-30.0 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 137B.

Lower surface.—RHS 137C.

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

Lower surface.—RHS 137A.

Length.—5.4-6.3 cm.

Width.—3.9-5.0 cm.

Shape.—Ovate.

Base shape.—Attenuate to rounded.

Apex shape.—Mucronulate.

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

Number of margin indentations.—Few.

Texture, upper surface.—Puberlulent.

Lower surface.—Puberlulent.

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

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

Pattern of veining.—Palmate.

Petiole color.—RHS 139A.

Length.—1.7-2.5 cm.

Diameter.—0.3-0.5 cm.

Stipule.—Few.

Stipule length.—0.2-0.4 cm.

Stipule color.—RHS 137B.

Texture.—Puberlulent.

Stem:

Quantity of main branches per plant.—5-6.

Color of stem.—RHS 138A.

Length of stem.—7.5-8.5 cm.

Diameter.—0.4-0.5 cm.

Length of internodes.—1.0-2.3 cm.

Texture.—Puberlulent.

Color of peduncle.—RHS 138A.

Length of peduncle.—5.0-6.5 cm.

Peduncle diameter.—0.3 cm.

Texture.—Puberlulent.

Inflorescence:

Type.—Compositae type, single-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.—12-15.

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

Fragrance.—Slightly spicy.

Bud (just when opening/showing color):

Color.—RHS 149D.

Length.—1.1 cm.

Width.—1.2 cm.

Shape.—Oblate.

Immature inflorescence:

Diameter.—4.0-5.0 cm.

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

Lower surface.—Closest to RHS 155D.

Mature inflorescence:

Diameter.—7.2-7.8 cm.

Depth.—2.5-2.8 cm.

Total diameter of disc.—1.6 cm.

Receptacle color.—RHS 145B.

Receptacle height.—0.6 cm.

Receptacle diameter.—0.8 cm.

Ray florets:

Average quantity of florets.—29.

Type.—Ligulate.

Color of florets, upper surface.—RHS 155D.

Lower surface.—RHS 155D.

Length.—2.8-3.3 cm.

Width.—1.1-1.3 cm.

Longitudinal axis.—Straight.

Shape.—Elliptical.

Apex shape.—Mucronate to Mucronulate.

Corolla tube.—Short.

Margin.—Entire.

Texture, upper surface.—Papillose.

Lower surface.—Papillose.

Disc florets:

Average quantity of florets.—182.

Color of immature florets.—Chartreuse green.

Color of mature florets.—RHS 150C.

Length.—0.5 cm.

Width.—0.1 cm.

Shape.—Tubular, elongated.

Apex shape.—Acute, 5 pointed.

Phyllaries:

Quantity.—27-30.

Color, upper surface.—RHS 139B.

Lower surface.—RHS 139A.

Length.—0.8-1.0 cm.

Width.—0.35 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 145D.
Style length.—0.45 cm.
Stigma color.—RHS 4B.
Stigma shape.—Bi-parted.
Ovary color.—RHS 150D but more translucent.
Stamens.—4, found on only on 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.

5 *Fertility/seed set*.—Has not been observed to date.
Disease/pest resistance.—Has not been observed to date.
Heat and cold resistance.—Has not been determined to date.

10 What is claimed is:
 1. A new and distinct variety of *Chrysanthemum* plant named 'CIDZ0112' substantially as illustrated and described herein.

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FIG. 1



FIG. 2