



US00PP34311P2

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

(10) **Patent No.:** **US PP34,311 P2**

(45) **Date of Patent:** **Jun. 7, 2022**

(54) **CHRYSANTHEMUM PLANT NAMED**
'CIDZ0111'

(50) Latin Name: *Chrysanthemum x morifolium*
Varietal Denomination: **CIDZ0111**

(71) Applicant: **SYNGENTA CROP PROTECTION**
AG, Basel (CH)

(72) Inventor: **Wendy R. Bergman**, Gilroy, CA (US)

(73) Assignee: **Syngenta Crop Protection AG**, Basel
(CH)

(*) 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.: **17/361,429**

(22) Filed: **Jun. 29, 2021**

(51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/14 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./298**

(58) **Field of Classification Search**
USPC Plt./298
CPC ... A01H 5/02; A01H 5/00; A01H 6/14; A01H
6/1424; A01H 6/385
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

Upov Pluto Plant Variety Database Sep. 4, 2021 for *Chrysanthemum*
Cidz0111, 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

Primary Examiner — June Hwu

(74) *Attorney, Agent, or Firm* — Dale Skalla

(57) **ABSTRACT**

A new *Chrysanthemum* plant named 'CIDZ0111' having
medium sized red daisy-type inflorescences, strong and
uniform plant habit, and a flowering response time of 7.5
weeks.

1 Drawing Sheet

1

Latin name of the genus and species of the plant claimed:
Chrysanthemum x morifolium.
Varietal denomination: 'CIDZ0111'.

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 'CIDZ0111'.

'CIDZ0111' is a product of a planned breeding program.
The new cultivar has medium sized red daisy-type inflores-
cences, strong and uniform plant habit, and a flowering
response time of 7.5 weeks.

'CIDZ0111' originated from a hybridization made in
August 2013 in a greenhouse in Gilroy, Calif. The female
parent was 'Outrageous Red' designated as 'CIDZ0063',
U.S. Pat No. 27,386, having red daisy-type inflorescences, a
larger flower size and less vigorous plant habit when com-
pared to 'CIDZ0111'.

The male parent of 'CIDZ0111' was the unpatented,
proprietary breeding line designated as 'B8831', having red
daisy-type inflorescences, more vigorous growth habit and
slower flowering response than 'CIDZ0111'.

The seed was sown in September 2014 and the resulting
plants were grown in pots in a greenhouse in Gilroy, Calif.
'CIDZ0111' was selected as one flowering plant within the
progeny of the stated cross in January 2015.

The first act of asexual reproduction of 'CIDZ0111' was
accomplished when vegetative cuttings were propagated
from the initial selection in April 2015, in Gilroy Calif.

BRIEF SUMMARY OF INVENTION

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

2

has demonstrated that the combination of characteristics as
herein disclosed for 'CIDZ0111' are firmly fixed and are
retained through successive generations of asexual repro-
duction.

5 'CIDZ0111' 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 has been applied
for in Canada on Aug. 4, 2021, No. 21-10680. 'CIDZ0111'
has not been made publicly available prior to the effective
filing date of this application, notwithstanding any disclo-
sure 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 'CIDZ0111' directly from the inven-
tor.

15 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

25 The accompanying photographic drawings show typical
flower and foliage characteristics of 'CIDZ0111' 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.

30 **DETAILED BOTANICAL DESCRIPTION**

The plant descriptions and measurements were taken
indoors in Hollister, Calif. in May 2021 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. in May 2021.

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

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIDZ0111' AND A MOST SIMILAR VARIETY:		
'CIDZ0111'		'Red Yoaubum', U.S. Plant Pat. No. 15,007
Foliage color:	Darker	Lighter
Pollen production:	Moderate	Scant
Flower color:	Deeper red	Lighter red

Plant:

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

Plant height.—17.0-18.0 cm.

Plant height (inflorescence included).—23.0 cm.

Plant width.—35.0-37.0 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.

Lower surface.—RHS 137C.

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

Lower surface.—RHS 137A.

Length.—6.5-7.3 cm.

Width.—4.0-4.3 cm.

Shape.—Ovate.

Base shape.—Attenuate.

Apex shape.—Mucronulate.

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

Number of margin indentations.—Few to moderate.

Texture, upper surface.—Puberlulent.

Lower surface.—Puberlulent.

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

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

Pattern of veining.—Palmate.

Stipule.—Present.

Stipule length.—0.4-1.2 cm.

Stipule color.—RHS 139B.

Petiole color.—RHS 139A.

Length.—1.2-1.9 cm.

Diameter.—0.3-0.4 cm.

Texture.—Puberlulent.

Stem:

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

Color of stem.—RHS 138B.

Length of stem.—9.0-12.5 cm.

Diameter.—0.3-0.5 cm.

Length of internodes.—0.8-3.2 cm.

Texture.—Puberlulent.

Color of peduncle.—RHS 138A.

Length of peduncle.—2.8-3.4 cm.

Peduncle diameter.—0.2-0.3 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).—7.5 weeks.

Natural season flowering.—Not determined for this variety.

Quantity of inflorescences per plant.—16-24.

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

Fragrance.—Slightly spicy.

Bud (just when opening/showing color):

Color.—RHS 187B.

Length.—1.1 cm.

Width.—1.2 cm.

Shape.—Oblate.

Immature inflorescence:

Diameter.—5.0 cm.

Color of ray florets, upper surface.—Closest to RHS 187B.

Lower surface.—Closest to RHS 184A.

Mature inflorescence:

Diameter.—8.4-8.7 cm.

Depth.—3.0 cm.

Total diameter of disc.—1.8-2.0 cm.

Receptacle color.—RHS 145B.

Receptacle height.—0.9 cm.

Receptacle diameter.—0.9 cm.

Ray florets:

Average quantity of florets.—29.

Type.—Mostly ligulate and a few spatulate.

Color of florets, upper surface.—Closest to RHS 53A.

Lower surface.—Closest to RHS 180A.

Length.—2.9-4.2 cm.

Width.—0.7-1.0 cm.

Longitudinal axis.—Straight.

Shape.—Elliptical, some bases tubular.

Apex shape.—Mostly acute and a few mucronate.

Margin.—Entire.

Corolla tube.—Short.

Texture, upper surface.—Papillose.

Lower surface.—Papillose.

Disc florets:

Average quantity of florets.—385.

Color of immature florets.—Light green.

Color of mature florets.—RHS 7A.

Length.—0.6 cm.

Width.—0.1 cm.

Shape.—Tubular, elongated.

Apex shape.—Acute, 5 pointed.

Phyllaries:

Quantity.—Average 37.

Color, upper surface.—RHS 137B.

Lower surface.—RHS 137B.

Length.—0.8-1.7 cm.

Width.—0.3-0.5 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 145C.
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 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.—Moderate.

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 'CIDZ0111' substantially as illustrated and described herein.

15 * * * * *



FIG. 1



FIG. 2