



US00PP27336P3

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

(10) **Patent No.:** **US PP27,336 P3**

(45) **Date of Patent:** **Nov. 1, 2016**

(54) **CHRYSANTHEMUM PLANT NAMED**  
**'CIDZ0065'**

(50) Latin Name: *Chrysanthemum×morifolium*  
Varietal Denomination: **CIDZ0065**

(71) Applicant: **SYNGENTA PARTICIPATIONS AG,**  
Basel (CH)

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

(73) Assignee: **Syngenta Participations 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.: **14/756,194**

(22) Filed: **Aug. 14, 2015**

(65) **Prior Publication Data**  
US 2016/0057907 P1 Feb. 25, 2016

**Related U.S. Application Data**

(60) Provisional application No. 62/039,706, filed on Aug.  
20, 2014.

(51) **Int. Cl.**  
*A01H 5/02* (2006.01)

(52) **U.S. Cl.**  
USPC ..... **Plt./286**

(58) **Field of Classification Search**  
USPC ..... **Plt./286, 297**  
CPC ..... **A01H 5/0225**  
See application file for complete search history.

(56) **References Cited**

**PUBLICATIONS**

GTITM UPOVROM Plant Variety Database Citation for  
'CIDZ0065' as per CA PBR 13-8104; Aug. 20, 2013; 1 page.\*

\* cited by examiner

*Primary Examiner* — Kent L Bell

(74) *Attorney, Agent, or Firm* — Joshua L. Price

(57) **ABSTRACT**

A new *Chrysanthemum* plant named 'CIDZ0065' and particularly distinguished by the very small, deep purple with white stripes, daisy-type inflorescences, small foliage, compact freely branched plant growth habit, and a flowering response of 6.5 weeks.

**1 Drawing Sheet**

**1**

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

Varietal denomination: 'CIDZ0065'.

**BACKGROUND OF THE NEW PLANT**

The present invention comprises a new *Chrysanthemum*, botanically known as *Chrysanthemum×morifolium*, and hereinafter referred to by the variety name 'CIDZ0065'.

'CIDZ0065' is a product of a planned breeding program. The new cultivar has very small, deep purple with white stripes, daisy-type inflorescences, small foliage, compact freely branched plant growth habit, and a flowering response of 6.5 weeks.

'CIDZ0065' originates as a natural occurring whole plant mutation of the unpatented, proprietary plant designated 'D0261', with solid dark purple inflorescences. 'CIDZ0065', the mutated plant with dark purple inflorescences with white stripes, was discovered and selected by the inventor as a single flowering plant within a large population of the parent cultivar grown in a greenhouse in Gilroy, Calif. in March 2010.

The first act of asexual reproduction of 'CIDZ0065' was accomplished when vegetative cuttings were propagated from the initial selection in June 2010 in a greenhouse in Gilroy, Calif.

**BRIEF SUMMARY OF INVENTION**

Horticultural examination of plants grown from cuttings of the plant initiated in November 2010 and continuing

**2**

thereafter, has demonstrated that the combination of characteristics as herein disclosed for 'CIDZ0065' are firmly fixed and are retained through successive generations of asexual reproduction.

'CIDZ0065' 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.

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 inflorescence and foliage characteristics of 'CIDZ0065' with colors being as true as possible with an illustration of this type.

The photographic drawings show in FIG. 1 a close-up of the inflorescence, and in FIG. 2 a flowering plant grown in a greenhouse in Gilroy, Calif. in September 2012.

**DETAILED BOTANICAL DESCRIPTION**

The plant descriptions and measurements were taken indoors in Nipomo, Calif. on Aug. 14, 2014 on about 9.5 week old plants. Unrooted cuttings had been planted, 3 plants per pot, in 5 inch pots on May 31, 2014. The plants were pinched and moved to short days on Jun. 23, 2014 to induce flowering.

The aforementioned photographs: FIGS. 1 and 2 were taken in Gilroy, Calif. in September 2012, and showing a plant from a trial, in which flowering had been induced by applying black cloth. These plants were about 9.5 weeks of age. Three unrooted cuttings had been planted in a 5 inch pot early July 2012, then pinched and moved to short days three weeks later.

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

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIDZ0065' AND A MOST SIMILAR VARIETY		
	'CIDZ0065'	'CIDZ0015' (commercially: 'Fifi Hot Pink', U.S. Pat. No. PP22,747)
Flower size:	Larger	Smaller
Flower color:	Purple with white stripes	Deep bluish- pink
Flowering response:	A few days slower	Earlier by a few days

## Plant:

*Form, growth and habit.*—Herbaceous pot-type, stems upright, freely branching, compact growth habit.

*Plant height.*—7.0-9.0 cm.

*Plant height (inflorescence included).*—9.0-11.0 cm.

*Plant width.*—14.0-16.0 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.*—Closest to RHS 137A.

*Lower surface.*—Between RHS 138A and RHS 138B.

*Mature, leaf color, upper surface.*—Closest to RHS 137A with some slightly darker mottling.

*Lower surface.*—Between RHS 138A and RHS 138B.

*Length.*—3.0-3.5 cm.

*Width.*—2.0-2.5 cm.

*Shape.*—Ovate.

*Base shape.*—Attenuate.

*Apex shape.*—Mucronulate.

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

*Texture, upper surface.*—Bifid T-shaped hairs.

*Lower surface.*—Bifid T-shaped hairs.

*Color of veins, upper surface.*—RHS 144C becoming indistinct.

*Color of veins, lower surface.*—RHS 144C.

*Pattern of veining.*—Palmate.

*Petiole color.*—RHS 144C.

*Length.*—2.5-3.3 cm.

*Diameter.*—0.2-0.25 cm.

*Texture.*—Bifid T-shaped hairs.

## Stem:

*Quantity of main branches per plant.*—4-6.

*Color of stem.*—RHS 146A.

*Length of stem.*—About 6.0-7.0 cm.

*Diameter.*—0.2-0.4 cm.

*Length of internodes.*—0.4-1.0 cm.

*Texture.*—Bifid T-shaped hairs.

*Color of peduncle.*—RHS 146A.

*Length of peduncle.*—3.5-5.0cm.

*Peduncle diameter.*—0.2 cm.

*Texture.*—Bifid T-shaped hairs.

## Inflorescence:

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

*Quantity of short days to flowering (response time).*—6.5 weeks.

*Natural season flowering.*—Not determined on this variety.

*Quantity of inflorescences per plant.*—38-50.

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

*Fragrance.*—Slightly spicy.

## Bud (just when opening/showing color):

*Color.*—Closest to RHS 185B and 155D.

*Length.*—0.5-0.8 cm.

*Width.*—0.5-0.8 cm.

*Shape.*—Oblate.

## Immature inflorescence:

*Diameter.*—1.5-2.0 cm.

*Color of ray florets, upper surface.*—Closest to RHS 185B and 155D.

*Lower surface.*—Closest to RHS 185C and 155D.

## Mature inflorescence:

*Diameter.*—3.3-3.8 cm.

*Depth.*—0.5-0.7 cm.

*Total diameter of disc.*—1.0 cm.

*Receptacle color.*—RHS 144B.

*Receptacle height.*—0.3 cm.

*Receptacle diameter.*—0.4-0.5 cm.

## Ray florets:

*Average quantity of florets.*—20-24 in 1 whorl.

*Color of florets, upper surface.*—Closest to RHS 185B and RHS 155D.

*Lower surface.*—Closest to RHS 186A.

*Length.*—1.5-1.8 cm.

*Width.*—0.35-0.5 cm.

*Shape.*—Flat.

*Apex shape.*—Praemorse.

*Margin.*—Entire.

*Texture, upper surface.*—Papillose.

*Lower surface.*—Papillose.

## Disc florets:

*Average quantity of florets.*—150-170.

*Color of florets.*—RHS 7B basally fading to more RHS 155D with a RHS 7B apex.

*Length.*—0.3-0.4 cm.

*Width.*—0.1-0.15 cm when open.

*Shape.*—Tubular, elongated.

*Apex shape.*—Acute, 5 pointed.

## Phyllaries:

*Quantity.*—About 20.

*Color, upper surface.*—Lighter than RHS 138B.

*Lower surface.*—RHS 138B.

*Length.*—0.2-0.3 cm.

*Width.*—0.15-0.2 cm.

*Shape.*—Lanceolate.

*Apex shape.*—Acute.

*Base.*—Fused.

*Margins.*—Entire; slightly papery.

*Texture, upper surface.*—Glabrous.

*Lower surface.*—Bifid T-shaped hairs.

Reproductive organs:

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

*Length.*—0.4 cm.

*Style color.*—RHS 155C.

*Style length.*—0.25 cm.

*Stigma color.*—RHS 17C.

*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.*—0.1-0.15 cm.

*Anther color.*—RHS 15A.

*Anther length.*—0.1 cm.

*Anther shape.*—Oval.

*Color of pollen.*—RHS 17B.

5 *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:

10 1. A new and distinct variety of *Chrysanthemum* plant named 'CIDZ0065' substantially as illustrated and described herein.

\* \* \* \* \*



FIGURE 1



FIGURE 2