



US00PP23169P2

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

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(45) **Date of Patent:** **Nov. 6, 2012**

(54) **CHRYSANTHEMUM PLANT NAMED**  
**'CIDZ0011'**

(50) Latin Name: *Chrysanthemum*×*morifolium*  
Varietal Denomination: **CIDZ0011**

(75) 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.: **13/136,714**

(22) Filed: **Aug. 9, 2011**

(51) **Int. Cl.**  
**A01H 5/00** (2006.01)

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

(58) **Field of Classification Search** ..... Plt./286,  
Plt./297

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP17,860 P2 \* 7/2007 Bergman ..... Plt./286  
PP20,547 P2 \* 12/2009 Bergman ..... Plt./286

\* cited by examiner

*Primary Examiner* — Howard Locker

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

(57) **ABSTRACT**

A new *Chrysanthemum* plant named 'CIDZ0011' particu-  
larly distinguished by the red-purple ray floret color, dark  
yellow-green foliage, excellent flowering uniformity, good  
branching and a nine week flowering response.

**1 Drawing Sheet**

**1**

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

Varietal denomination: 'CIDZ0011'.

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 'CIDZ0011'.

'CIDZ0011' is a product of a planned breeding program.  
The new cultivar has red-purple ray floret color, dark yellow-  
green foliage, excellent flowering uniformity, good branch-  
ing and a nine week flowering response.

'CIDZ0011' originates as a natural whole plant mutation of  
'Pink Yosonoma', U.S. Plant Pat. No. 20,547. 'CIDZ0011'  
was discovered and selected by the inventor as a single flow-  
ering plant within a population of the parent cultivar in a  
controlled breeding program in Fort Myers, Fla., USA in  
December 2007. The parent cultivar 'Pink Yosonoma' has  
more of a red-purple ray floret color than that of 'CIDZ0011'.

The first act of asexual reproduction of 'CIDZ0011' was  
accomplished when vegetative cuttings were propagated  
from the initial selection in March 2008, in a controlled  
environment in Fort Myers, Fla., USA.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings of  
the plant initiated in March 2008, and continuing thereafter,  
has demonstrated that the combination of characteristics as  
herein disclosed for 'CIDZ0011' are firmly fixed and are  
retained through successive generations of asexual reproduc-  
tion.

'CIDZ0011' has not been observed under all possible envi-  
ronmental conditions. The phenotype may vary significantly  
with variations in environment such as temperature, light  
intensity and day length.

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A Plant Breeder's Right for this cultivar was applied for in  
Canada on Aug. 17, 2010 (10-7069). 'CIDZ0011' has not  
been made publicly available more than one year prior to the  
filing of this application.

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 *Chry-  
santhemum* as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawing shows typical  
flower and foliage characteristics of 'CIDZ0011' with colors  
being as true as possible with an illustration of this type. The  
photographic drawing shows four flowering potted plants of  
the new variety, and a close-up of the flowers.

DETAILED BOTANICAL DESCRIPTION

The plant descriptions, measurements and aforementioned  
photographs were taken in Gilroy, Calif. in mid-May 2011  
under natural light. These plants were propagated and grown  
in Nipomo, Calif. and shipped to Gilroy for the data collection  
and photographs. These plants were approximately 11 weeks  
of age; grown as four plants together in a six inch pot under  
greenhouse trial conditions.

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

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIDZ0011'  
AND A MOST SIMILAR VARIETY

	'CIDZ0011'	'Yosonoma' (U.S. Plant Pat. No. 17,860)
Ray floret color:	Red-purple	Purple
Foliage color:	Little lighter	Little darker

TABLE 1-continued

DIFFERENCES BETWEEN THE NEW VARIETY 'CIDZ0011' AND A MOST SIMILAR VARIETY		
	'CIDZ0011'	'Yosonoma' (U.S. Plant Pat. No. 17,860)
Quantity of ray florets:	40-52	34
Quantity of disc florets:	Approximately 200	Approximately 143

## Plant:

*Form, growth and habit.*—Herbaceous pot-type, stems upright, good branching, excellent flowering uniformity.

*Plant height.*—22.0-24.0 cm.

*Plant height (inflorescence included).*—29.0-32.0 cm.

*Plant width.*—30.0 cm.

## Roots:

*Number of days to initiate roots.*—About 4 days at about 22 degrees C.

*Number of days to produce a rooted cutting.*—About 10 days at 22 degrees C.

*Type.*—Fine, fibrous, free branching.

*Color.*—RHS N155B but whiter.

## Foliage:

*Arrangement.*—Alternate, simple.

*Immature, leaf color, upper surface.*—RHS 147A.

*Immature, leaf color, lower surface.*—RHS 137B.

*Mature, leaf color, upper surface.*—RHS 147A.

*Mature, leaf color, lower surface.*—RHS 137B.

*Length.*—7.1-8.8 cm.

*Width.*—4.5-5.0 cm.

*Shape.*—Elliptical.

*Base shape.*—Attenuate.

*Apex shape.*—Mucronulate.

*Margin.*—Palmately lobed; irregularly serrate.

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

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

*Color of veins, upper surface.*—Between RHS 138B and RHS 138C.

*Color of veins, lower surface.*—Between RHS 138B and RHS 138C.

*Petiole color.*—Between RHS 138B and RHS 138C.

*Petiole length.*—1.3-1.5 cm.

*Petiole diameter.*—0.25-0.3 cm.

*Petiole texture.*—Bifid T-shaped hairs.

*Length.*—1.3-1.5 cm.

*Diameter.*—0.25-0.3 cm.

*Texture.*—Bifid T-shaped hairs.

## Stem:

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

*Color of stem.*—RHS 143A but appears lighter due to hairs.

*Length of stem.*—20.0-23.0 cm.

*Diameter.*—0.5 cm.

*Length of internodes.*—0.5-2.5 cm.

*Texture.*—Bifid T-shaped hairs.

*Color of peduncle.*—RHS 143A but appears lighter due to hairs.

*Length of peduncle.*—8.5-11.0 cm.

*Peduncle diameter.*—0.2-0.3 cm.

*Texture.*—Bifid T-shaped 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).*—Approximately 9 weeks.

*Quantity of inflorescences per plant.*—25-30.

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

*Fragrance.*—Slightly spicy.

Bud (just before opening/showing color):

*Color.*—Between RHS N78C and RHS N78D but greyer.

*Length.*—1.5-1.7 cm.

*Width.*—0.9-1.1 cm.

*Shape.*—Oblate.

Immature inflorescence:

*Diameter.*—5.0-6.0 cm.

*Color of ray florets, upper surface.*—Between RHS 70A and RHS 70B but a brighter shade.

*Lower surface.*—About RHS 70D but a little lighter.

Mature inflorescence:

*Diameter.*—9.0-11.0 cm.

*Depth.*—2.0 cm.

*Total diameter of disc.*—1.7 cm.

*Receptacle height.*—0.5 cm.

*Receptacle diameter.*—0.8 cm.

25 Ray florets:

*Average quantity of florets.*—40-52 in 3-4 whorls.

*Color of florets, upper surface.*—Between RHS 70A and RHS 70B but a brighter shade, some with a little darker apex; fading to shades of RHS 70B with more white at the base.

*Lower surface.*—About RHS 70D but a little lighter.

*Length.*—3.7-4.5 cm.

*Width.*—0.7-0.85 cm.

*Shape.*—Elliptical.

*Apex shape.*—Obtuse or acute.

*Margin.*—Entire.

*Texture, upper surface.*—Papillose.

*Lower surface.*—Papillose.

Disc florets:

*Average quantity of florets.*—Approximately 200.

*Color of florets.*—Immature: RHS 4D with RHS N144A apex. Mature: RHS 4D with RHS 2B apex.

*Length.*—0.5-0.6 cm.

*Width.*—0.1 cm.

*Shape.*—Tubular, elongated.

*Apex shape.*—Acute, 5 pointed.

Phyllaries:

*Quantity.*—30-35.

*Color, upper surface.*—RHS 137B.

*Lower surface.*—RHS 137A but appears lighter due to hairs.

*Length.*—0.5-0.6 cm.

*Width.*—0.15-0.2 cm.

*Shape.*—Lanceolate.

*Apex shape.*—Acute.

*Base.*—Fused.

*Margins.*—Entire, some slightly papery.

*Texture, upper surface.*—Glabrous.

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

60 Reproductive organs:

*Pistil.*—1.

*Found on both florets.*—Yes.

*Length.*—0.5 cm.

*Style color.*—RHS 1B.

*Style length.*—0.4 cm.

*Stigma color.*—RHS 3A.

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*Stigma shape.*—Bi-parted.  
*Ovary color.*—Not observed.  
*Stamens.*—4.  
*Found on only disc florets.*—Yes.  
*Color of filaments.*—RHS 155D.  
*Length filaments.*—0.2 cm.  
*Anther color.*—Not observed/too overly mature.  
*Anther length.*—0.1 cm.  
*Anther shape.*—Oblong.  
*Color of pollen.*—Not observed.

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*Pollen amount.*—Not observed.  
*Fertility/seed set.*—Has not been observed on this hybrid.  
*Disease/pest resistance.*—Has not been observed on this hybrid.

5 What is claimed is:

1. A new and distinct variety of *Chrysanthemum* plant named 'CIDZ0011' substantially as illustrated and described herein.

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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : PP23,169 P2  
APPLICATION NO. : 13/136714  
DATED : November 6, 2012  
INVENTOR(S) : Bergman

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 3, please remove the following at lines 47-49:

Length - 1.3-1.5 cm

Diameter - 0.25-0.3 cm

Texture - Bifid T-shaped hairs

Signed and Sealed this  
Twenty-fifth Day of December, 2012

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive style with a large initial 'D' and 'K'.

David J. Kappos  
*Director of the United States Patent and Trademark Office*