



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

(10) **Patent No.:** **US PP30,029 P2**
(45) **Date of Patent:** **Dec. 25, 2018**

(54) **CHRYSANTHEMUM PLANT NAMED**
‘CIDZ0090’

(50) Latin Name: *Chrysanthemum x morifolium*
Varietal Denomination: **CIDZ0090**

(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.: **15/731,629**

(22) Filed: **Jul. 10, 2017**

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

(52) **U.S. Cl.**
USPC **Plt./294**

(58) **Field of Classification Search**
USPC Plt./263.1, 284, 286, 294
See application file for complete search history.

Primary Examiner — Susan McCormick Ewoldt

Assistant Examiner — Karen M Redden

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

(57) **ABSTRACT**

A new *Chrysanthemum* plant named ‘CIDZ0090’ particu-
larly distinguished by the large white, daisy-type inflores-
cences, strong and vigorous plant habit, and a flowering
response time of 7 weeks.

1 Drawing Sheet

1

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

Varietal denomination: ‘CIDZ0090’.

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 ‘CIDZ0090’.

‘CIDZ0090’ is a product of a planned breeding program.
The new cultivar has large white, daisy-type inflorescences,
strong and vigorous plant habit, and a flowering response
time of 7 weeks.

‘CIDZ0090’ originated from a hybridization made in
September, 2011 in a greenhouse in Gilroy, Calif. The
female parent was the unpatented, proprietary plant desig-
nated as ‘D0089’, having purple and white bicolored daisy
inflorescences, larger flower size and fuller, wider plant
habit when compared to ‘CIDZ0090’.

The male parent of ‘CIDZ0090’ was the unpatented,
proprietary plant designated as ‘B7685’, with white colored
daisy-type inflorescences and slower flowering response
than ‘CIDZ0090’.

The seed was sown in May, 2012 and the resulting plants
were grown in pots in a greenhouse in Gilroy, Calif.
‘CIDZ0090’ was selected as one flowering plant within the
progeny of the stated cross in October 2012.

The first act of asexual reproduction of ‘CIDZ0090’ was
accomplished when vegetative cuttings were propagated
from the initial selection in February, 2013, in Gilroy Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings
of the plant initiated in May, 2013 and continuing thereafter,
has demonstrated that the combination of characteristics as
herein disclosed for ‘CIDZ0090’ are firmly fixed and are
retained through successive generations of asexual repro-
duction.

2

‘CIDZ0090’ 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.

5 A Plant Breeder’s Right for this cultivar has not been
applied for. ‘CIDZ0090’ has not been made publicly avail-
able prior to the effective filing date of this application,
notwithstanding any disclosure that may have been made
10 less than one year prior to the effective filing date of this
application by the inventor or another who obtained
‘CIDZ0090’ directly from the inventor.

The following traits have been repeatedly observed and
are determined to be basic characteristics of the new variety.
15 The combination of these characteristics distinguishes this
Chrysanthemum as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

20 The accompanying photographic drawing shows typical
flower and foliage characteristics of ‘CIDZ0090’ with colors
being as true as possible with an illustration of this type. The
photographic drawing shows in FIG. 1 a close-up view plant
25 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 Gilroy, Calif. in January, 2017 on about 11 week
old plants. Unrooted cuttings had been planted, 4 plants per
pot, in 6 inch pots on Oct. 26, 2016. The plants were pinched
and moved to short days on Nov. 14, 2016 to induce
35 flowering.

The aforementioned photographs: FIGS. 1 and 2 was
taken in Gilroy, Calif. in January, 2017, and showing a plant
from a trial, in which flowering had been induced by
applying black cloth.

These plants were about 11 weeks of age. Unrooted cuttings had been planted, 4 plants per pot, in 6 inch pots. The plants were pinched and moved to short days to induce flowering.

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

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIDZ0090' AND A MOST SIMILAR VARIETY 'YOJUNEAU' PP20560			
	'CIDZ0090'	'YOJUNEAU'	
Plant size and habit:	Taller	Shorter	
Flowering response:	Faster	Slower	
Flower size:	Larger	Smaller	

Plant:

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

Plant height.—12.0-15.0 cm.

Plant height (inflorescence included).—13.0-21.0 cm.

Plant width.—26.0-30.0 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 137A.

Lower surface.—RHS 137C.

Mature, leaf color, upper surface.—RHS 137B.

Lower surface.—RHS 137C.

Length.—4.8-6.5 cm.

Width.—3.5-4.2 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 138B.

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

Pattern of veining.—Palmate.

Petiole color.—RHS 138B.

Length.—1.2-1.6 cm.

Diameter.—0.2 cm.

Texture.—Bifid T-shaped hairs.

Stem:

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

Color of stem.—RHS 138B.

Length of stem.—13.0-15.0 cm.

Diameter.—0.3-0.5 cm.

Length of internodes.—0.5-1.2 cm.

Texture.—Bifid T-shaped hairs.

Color of peduncle.—RHS 138B.

Length of peduncle.—0.9-1.7 cm.

Peduncle diameter.—0.2 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).—7 weeks.

Natural season flowering.—Not determined on this variety.

Quantity of inflorescences per plant.—30-45.

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

Fragrance.—Slightly spicy.

Bud (just when opening/showing color):

Color.—Closest to RHS 4D.

Length.—1.4-1.8 cm.

Width.—1.0-1.3 cm.

Shape.—Oblate.

Immature inflorescence:

Diameter.—3.8-5.0 cm.

Color of ray florets, upper surface.—Closest to RHS 155D with RHS 145A at base.

Lower surface.—Closest to RHS 155D with RHS 145A at base.

Mature inflorescence:

Diameter.—6.0-6.6 cm.

Depth.—2.0-3.2 cm.

Total diameter of disc.—1.7-2.0 cm.

Receptacle color.—RHS 145B.

Receptacle height.—0.3 cm.

Receptacle diameter.—0.4 cm.

Ray florets:

Average quantity of florets.—25-33.

Color of florets, upper surface.—Closest to RHS 155D with RHS 145A at base.

Lower surface.—Closest to RHS 155D with RHS 145A at base.

Length.—2.6-3.0 cm.

Width.—0.7-1.0 cm.

Shape.—Elliptical.

Apex shape.—Acute.

Margin.—Entire.

Texture, upper surface.—Papillose.

Lower surface.—Papillose.

Disc florets:

Average quantity of florets.—140-160.

Color of florets.—RHS 7B apex; RHS 145C at the base.

Length.—0.4-0.6 cm.

Width.—0.15-0.25 cm when open.

Shape.—Tubular, elongated.

Apex shape.—Acute, 5 pointed.

Phyllaries:

Quantity.—20-25.

Color, upper surface.—RHS 138A.

Lower surface.—RHS 137B.

Length.—0.7-1.1 cm.

Width.—0.2-0.3 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.—0.7 cm.

Style color.—RHS 155C.

Style length.—0.45 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.—RHS 17B.
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:
1. A new and distinct variety of *Chrysanthemum* plant named ‘CIDZ0090’ substantially as illustrated and described herein.

* * * * *



FIG. 1

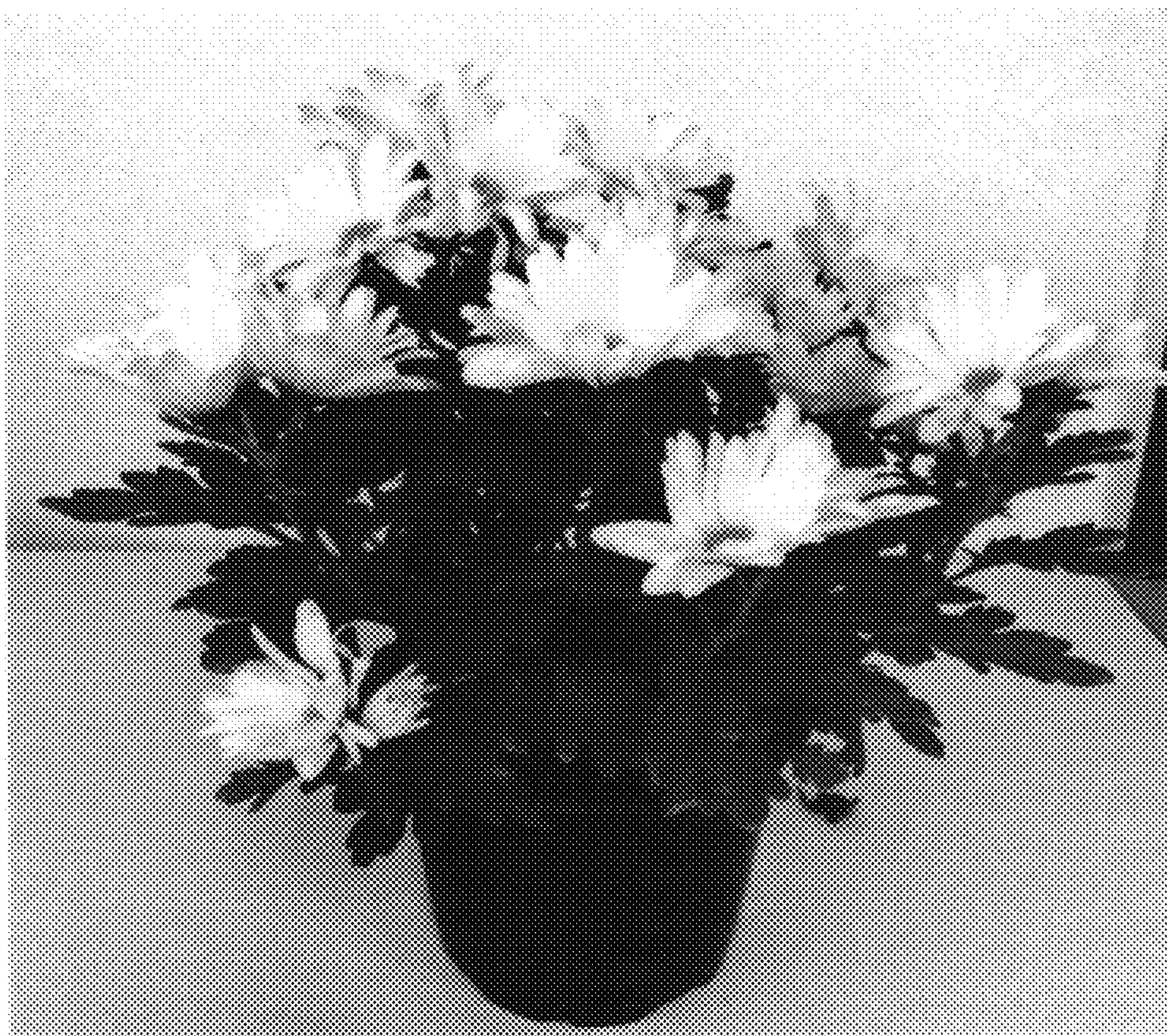


FIG. 2