



US00PP30310P2

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

(10) **Patent No.:** **US PP30,310 P2**

(45) **Date of Patent:** **Mar. 26, 2019**

(54) **CHRYSANTHEMUM PLANT NAMED**
'CIFZ0062'

(50) Latin Name: *Chrysanthemum x morifolium*
Varietal Denomination: **CIFZ0062**

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

(72) Inventor: **Mark A. Smith,** Alva, FL (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.: **15/932,559**

(22) Filed: **Mar. 14, 2018**

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

(52) **U.S. Cl.**
USPC **Plt./290**
CPC *A01H 5/02* (2013.01)

(58) **Field of Classification Search**
USPC Plt./290
CPC A01H 5/0255
See application file for complete search history.

Primary Examiner — Kent L Bell

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

(57) **ABSTRACT**

A new garden type *Chrysanthemum* plant named
'CIFZ0062' particularly distinguished by medium size plant
with round mound plant habit, a medium-small size, deco-
rative flower, bronze flower color, and a natural season
response in early-mid October.

1 Drawing Sheet

1

Latin name of the genus and species of the plant claimed:
Chrysanthemum x morifolium.
Varietal denomination: 'CIFZ0062'.

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 'CIFZ0062'.

'CIFZ0062' is a product of a planned breeding program.
The new cultivar has medium size plant with round mound
plant habit, a medium-small size, decorative flower, bronze
flower color and a natural season response in early-mid
October.

'CIFZ0062' originated from a mutation: Stock x-rayed at
1750 RAD in October of 2014. Single cutting sport from the
stock.

The female parent was 'CIFZ0050', 'Nikki Orange' (U.S.
Plant Pat. No. 29,658, filed Jan. 25, 2017. When compared
to the female parent, 'CIFZ0062' has:

- 1) Similar flower type and size but darker bronze flower
color that holds color better under high temperatures
than the sport parent
- 2) Blackcloth is similar and natural season response is
similar compared to the sport parent
- 3) Similar plant habit and similar to a bit smaller overall
plant size than the sport parent

No male parent.

The first act of asexual reproduction of 'CIFZ0062' was
accomplished when vegetative cuttings were propagated
from the initial selection, this initial selection took place on
Mar. 3, 2015 in Gilroy, Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings
of the plant initiated in April, 2015 in Gilroy, Calif., and
continuing thereafter, has demonstrated that the combination

2

of characteristics as herein disclosed for 'CIFZ0062' are
firmly fixed and are retained through successive generations
of asexual reproduction.

'CIFZ0062' 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.

A Plant Breeder's Right for this cultivar has not been
applied for. 'CIFZ0062' has not been made publicly avail-
able 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 filing date of this
application by the inventor or another who obtained
'CIFZ0062' 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
Chrysanthemum as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawing shows typical
flower and foliage characteristics of 'CIFZ0062' with colors
being as true as possible with an illustration of this type. The
photographic drawing shows in FIG. 1 a close view of
flower of the new variety and in FIG. 2 a flowering plant
from an outdoor trial.

The aforementioned photographs: FIG. 1 and FIG. 2 were
taken in August 2017 both showing a plant from the same
blackcloth indoor trial in Gilroy, Calif. These plants were
about 10 weeks of age. One rooted cutting per pot had been
planted in a one gallon pot, not pinched in week 24, and
black clothed from week 25. Plants started flowering in
August.

DETAILED BOTANICAL DESCRIPTION

The measurements were taken in Gilroy, Calif. in August
2017 on the plants from the aforementioned trial.

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

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIFZ0062' AND TWO MOST SIMILAR VARIETIES:		
	'CIFZ0062'	'Spicy Yocheryl', U.S. Plant Pat. No. 13,221
Flowering response (blackcloth):	3 days slower	3 days faster
Flowering response (natural):	5 days slower, one week in south USA	5 days faster, one week in south USA
Flower color:	No two-tone color	Two-tone color
Flower size:	Smaller	Bigger
Plant habit or size:	Larger plant in blackcloth but smaller plant natural with more full and more round plant habitless	Smaller plant in blackcloth but bigger plant natural with less full and less round plant habit
	'CIFZ0062'	'Amiko Bronze', U.S. Plant Pat. No. 24,201
Flowering response (blackcloth):	Similar	Similar
Flowering response (natural):	Similar	Similar
Flower color:	Initially similar, but less fading	Initially similar, but more fading
Flower size:	Smaller	Bigger
Plant habit or size:	Bit shorter and bit wider plant creates more round overall plant habit	Bit longer and bit less wide plant creates more upright overall plant habit

Plant:

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

Plant height (above soil).—17-20 cm.

Plant height (inflorescence included).—18-24 cm.

Plant width.—35-38 cm.

Roots:

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

Number of days to produce a rooted cutting.—14-16 days at 22° C.

Type.—Fine, fibrous, free branching.

Color.—RHS N155B but whiter.

Foliage:

Arrangement.—Alternate.

Immature leaf, color upper surface.—Closest to RHS 137A.

Immature leaf, color lower surface.—RHS 137C.

Mature leaf, color, upper surface.—Closest to RHS 137A.

Mature leaf, color lower surface.—RHS 137C.

Length.—4.5-5.2 cm.

Width.—3.0-5.0 cm.

Shape.—Ovate, with distinct lobes.

Base shape.—Attenuate.

Apex shape.—Mucronate.

Margin.—3 main lobes, irregularly serrated.

Texture, upper surface.—Bifid hairs.

Texture, lower surface.—Bifid hairs.

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

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

Pattern of veining.—Palmate.

Petiole color.—RHS 138A.

Petiole length.—1.2-1.5 cm.

Diameter.—0.3 cm.

Texture.—Covered with bifid hairs.

Stem:

Quantity of main branches per plant.—7-9.

Color of stem.—RHS 138A.

Length of stem.—7-10 cm.

Diameter.—0.5 cm.

Length of internodes.—0.5-1.0 cm.

Texture.—Bifid hairs.

Color of peduncle.—RHS 138A.

Length of peduncle.—4.5-5.2 cm.

Peduncle diameter.—0.2 cm.

Texture.—Bifid hairs.

Inflorescence:

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

Quantity of short days to flowering (response time).—Approximately 6 weeks.

Natural season flowering.—Early-mid October.

Quantity of inflorescences per plant.—65-80.

Lastingness of individual blooms on the plant.—About five weeks from first color.

Fragrance.—Slightly spicy.

Bud (when showing color):

Color.—Closest to RHS 163A.

Length.—1.2 cm.

Width.—1.1 cm.

Shape.—Oblate.

Immature inflorescence:

Diameter.—2.8-3.2 cm.

Color of ray florets, upper surface.—RHS 11A, overlain with RHS N170A.

Color of ray florets, lower surface.—RHS 11A through margin.

Mature inflorescence:

Diameter.—4.5-4.8 cm.

Depth.—1.5-1.8 cm.

Total diameter of disc.—No disc present.

Receptacle color.—RHS 145A.

Receptacle height.—0.25 cm.

Receptacle diameter.—0.4 cm.

Ray florets:

Average quantity of florets.—Between 250 and 280 in several whorls.

Color of florets, upper surface (abaxial).—RHS 11A overlain with RHS N170A.

Color inner surface (adaxial).—RHS 11A.

Length.—1.6-1.8 cm.

Width/diameter.—0.4-0.7 cm.

Shape.—Elliptical.

Apex shape.—Mostly obtuse and dentate.

Base shape.—Tube.

Margin.—Entire.

Texture, upper surface.—Papillate.

Lower surface.—Papillate.

Disc florets: None present.

Phyllaries:

Quantity.—100-120.

Color, upper surface.—RHS 138A.

Color, lower surface.—RHS 137B.

Length.—0.6-0.7 cm.
Width.—0.1-0.2 cm.
Shape.—Lanceolate.
Apex shape.—Acute.
Base.—Fused.
Margins.—Entire.
Texture, upper surface.—Glabrous.
Texture, lower surface.—Canescent.
 Reproductive organs:
Pistil.—One.
Length.—0.3-0.45 cm.
Style color.—RHS 1D.
Style length.—0.3-0.4 cm.
Stigma color.—RHS 7D.
Stigma shape.—Bi-parted.

Ovary color.—RHS 145C.
Ovary length.—0.15 cm.
Ovary width.—0.1 cm.

Androecium:

5 *Stamens.*—None, as they are usually present in disc florets only, which are not developed.
Fertility/seed set.—Has not been determined to date.
Disease/pest resistance.—Has not been determined to date.

10 What is claimed is:

1. A new and distinct variety of *Chrysanthemum* plant named 'CIFZ0062' substantially as illustrated and described herein.

15 * * * * *



FIG. 1



FIG. 2