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**Smith**

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(54) **CHRYSANTHEMUM PLANT NAMED**  
**'CIFZ0087'**

(50) Latin Name: *Chrysanthemum x morifolium*  
Varietal Denomination: **CIFZ0087**

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See application file for complete search history.

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(57) **ABSTRACT**

A new garden type *Chrysanthemum* plant named  
'CIFZ0087' particularly distinguished by its medium size  
plant with semi-upright plant habit, a medium to large size  
daisy flower, orange-bronze flower color and a natural  
season response in early September.

**1 Drawing Sheet**

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

Varietal denomination: 'CIFZ0087'.

**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 'CIFZ0087'.

'CIFZ0087' is a product of a planned breeding program.  
The new cultivar is a medium size plant with semi-upright  
plant habit, medium to large size daisy flowers, orange-  
bronze flower color and a natural season response early  
September.

'CIFZ0087' originated from a cross made in April 2016 in  
Enkhuizen, The Netherlands. Seeds were sown in June 2016  
in Gilroy, Calif. and 'CIFZ0087' was selected from the  
resulting population on Oct. 24, 2016 in Alva, Fla.

The female parent was the variety 'Zanmuperfect', U.S.  
Plant Pat. No. 23,015.

**TABLE 1**

Characteristics of the female parent, compared to 'CIFZ0087':		
Trait	'CIFZ0087'	'Zanmuperfect'
Natural response:	3/4 of a week faster	3/4 of a week slower
Blackcloth response:	1/2 week faster	1/2 a week slower
Flower size:	Similar	Similar
Flower color:	Orange-bronze	Coral-pink
Flower type:	Daisy	Decorative
Plant size:	More height/similar width	Less height/similar width
Plant habit:	More upright	More flat mound
Flower longevity:	20% longer	20% shorter

The male parent was 'Yobonnie', U.S. Plant Pat. No.  
18,886.

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**TABLE 2**

Characteristics of the male parent, compared to 'CIFZ0087':

Trait	'CIF0087'	'Yobonnie'
Natural response - North:	Similar	Similar
Natural response - South:	1 week faster	1 week slower
Blackcloth response:	1/2 week faster	1/2 week slower
Flower size:	1/4 in larger	1/4 in smaller
Flower color:	Orange-bronze	Red
Flower type:	Similar	Similar
Plant size:	Similar	Similar
Plant habit:	More upright	More round mound
Flower longevity:	Slightly more	Slightly less
Plant strength:	Stronger	Weaker

The first act of asexual reproduction of 'CIFZ0087' was  
accomplished when vegetative stem cuttings were propa-  
gated from the initial selection in January 2017 in Alva, Fla.

**BRIEF SUMMARY OF INVENTION**

Horticultural examination of plants grown from cuttings  
of the plant initiated in January 2017 and continuing there-  
after, has demonstrated that the combination of characteris-  
tics as herein disclosed for 'CIFZ0087' are firmly fixed and  
are retained through successive generations of asexual  
reproduction.

'CIFZ0087' 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 yet been  
applied for. 'CIFZ0087' 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  
'CIFZ0087' 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 drawings show typical flower and foliage characteristics of 'CIFZ0087' 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 indoor trial.

The aforementioned photographs: FIG. 1, as well as FIG. 2 were taken in September 2020, 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 Mid-August.

#### DETAILED BOTANICAL DESCRIPTION

The measurements were taken in Gilroy, Calif. in September 2020 on the plants from the aforementioned trial.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.) 2015.

TABLE 3

DIFFERENCES BETWEEN THE NEW VARIETY 'CIFZ0087' AND TWO MOST SIMILAR VARIETIES:		
Trait	'CIFZ0087'	'Yomichelle', U.S. Plant Pat. No. 17,439
Natural response:	Similar	Similar
Blackcloth response:	Bit faster	Bit slower
Flower size:	Bit larger	Bit smaller
Flower color:	Orange-bronze	Yellow
Flower type:	Similar	Similar
Plant size:	Larger	Smaller
Plant habit:	More upright	Very round
Flower longevity:	Similar	Similar
Flowering uniformity:	Less uniform flowering	More uniform flowering

TABLE 4

Trait	'CIFZ0087'	'Mika Orange', U.S. Plant Pat. No. PP23,275
Natural response:	1/2 week slower	1/2 week faster
Blackcloth response:	Similar	Similar
Flower size:	Slightly smaller	Slightly larger
Flower color:	Similar	Similar
Flower type:	Daisy with less ray florets	Duplex with more ray florets
Plant size:	Larger	Smaller
Plant habit:	Similar	Similar
Flower longevity:	Slightly more	Slightly less

#### 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).*—20-22 cm.

*Plant height (inflorescence included).*—22-24 cm.

*Plant width.*—28 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.

#### Foliage:

*Arrangement.*—Alternate.

*Immature leaf, color upper surface.*—RHS 137A.

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

*Mature leaf, color, upper surface.*—RHS NN137A.

*Mature leaf, color lower surface.*—RHS NN137C.

*Length.*—5.7 cm.

*Width.*—3.0 cm.

*Shape.*—Ovate, with distinct lobes.

*Base shape.*—Attenuate.

*Apex shape.*—Mucronate.

*Margin.*—5-lobed (palmate), edge dentate.

*Number of margin indentations.*—Medium.

*Depth of margin indentations.*—Medium-deep.

*Leaf length terminal lobe relative to total leaf length.*—Medium.

*Leaf depth lower lateral sinus.*—Deep.

*Texture, upper surface.*—Bifid hairs.

*Texture, lower surface.*—Bifid hairs.

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

*Color of veins, lower surface.*—RHS 138A.

*Pattern of veining.*—Palmate.

*Petiole color.*—RHS 137A.

*Petiole Length.*—1.0 cm.

*Diameter.*—0.2 cm.

*Texture.*—Bifid hairs.

*Presence of stipules.*—Yes.

*If present, size of stipules.*—Small.

#### Stem:

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

*Color of stem.*—RHS 138A.

*Length of stem.*—18.0 cm.

*Diameter.*—0.6 cm.

*Length of internodes.*—2.0 cm.

*Texture.*—Bifid hairs.

*Color of peduncle.*—RHS 138A.

*Length of peduncle.*—4.5 cm.

*Peduncle diameter.*—0.2 cm.

*Texture.*—Bifid hairs.

#### Inflorescence:

*Type.*—Compositae, solitary, daisy-type inflorescences borne terminally above foliage, ligulate ray florets arranged at the margin on a capitulum giving a single flower.

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

*Quantity of inflorescences per plant.*—110-120 with many small buds developing.

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

*Fragrance.*—Slightly spicy.

#### Bud (when showing color):

*Color.*—RHS 8C.

*Length.*—0.5 cm.

*Width.*—0.8 cm.

*Shape.*—Oblate.

Immature inflorescence (at moment of opening):

- Diameter.*—1.3-1.5 cm.  
*Color of ray florets, upper surface.*—RHS N163A.  
*Color of ray florets, lower surface.*—RHS 163A with  
 RHS N163A overtone.

Mature inflorescence:

- Diameter.*—4.5 cm.  
*Depth.*—1.2 cm.  
*Total diameter of disc.*—0.7 cm.  
*Receptacle color.*—RHS NN137A.  
*Receptacle height.*—0.5 cm.  
*Receptacle diameter.*—1.0 cm.  
*Length of corolla tube.*—Medium.

Ray florets:

- Average quantity of florets.*—30-40 in two whorls.  
*Color of florets, upper surface.*—RHS 163B; 163A at  
 apex.  
*Color lower surface.*—RHS 163A.  
*Length.*—1.5 cm.  
*Width/diameter.*—0.4 cm.  
*Shape.*—Elliptical.  
*Apex shape.*—Mostly obtuse and dentate.  
*Base shape.*—Tube.  
*Margin.*—Entire. Small incisions may be present at tip.  
*Margin.*—Type of rolling moderately involute.  
*Texture, upper surface.*—Papillate.  
*Lower surface.*—Papillate.  
*Ribs present.*—Yes.  
*Number of keels.*—2.  
*Profile at widest point.*—Moderately convex.  
*Longitudinal axis shape.*—Reflexing.

Disc florets:

- Number of disk florets.*—Up to 132.  
*Width.*—Up to 0.2 cm.  
*Length.*—1.5 cm.  
*Colour.*—RHS 15A; 144B at base.

Inflorescence (at moment of senescence):

- Color of ray florets, upper surface.*—RHS 16B.  
*Color of ray florets, lower surface.*—RHS 16B with  
 fading rays of RHS 28B.

Phyllaries:

- Quantity.*—20.  
*Color, upper surface.*—RHS NN137A.  
*Color, lower surface.*—RHS 137A.  
*Length.*—0.6 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.*—0.5 cm.  
*Style color.*—RHS 150C.  
*Style length.*—0.3 cm.  
*Stigma color.*—RHS 15A.  
*Stigma shape.*—Bi-parted.  
*Ovary color.*—RHS 145C.  
*Ovary length.*—0.2 cm.  
*Ovary width.*—0.1 cm.

Androecium:

- Stamens.*—1, found on only disc florets.  
*Color of filaments.*—RHS 15B.  
*Length filaments.*—0.2 cm.  
*Anther color.*—RHS 13A.  
*Anther length.*—0.2 cm.  
*Anther shape.*—Oval to club shaped.  
*Color of pollen.*—RHS 13A.  
*Pollen amount.*—Moderate.  
*Fertility/seed set.*—Has not been determined to date.  
*Disease/pest resistance.*—Has not been determined to  
 date.  
*Hardiness.*—Has not been determined to date.

What is claimed is:

1. A new and distinct variety of *Chrysanthemum* plant  
 named 'CIFZ0087' substantially as illustrated and described  
 herein.

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FIG. 1



FIG. 2