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Smith

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(54) **CHRYSANTHEMUM PLANT NAMED**
'CIFZ0005'

(50) Latin Name: *Chrysanthemum*×*morifolium*
Varietal Denomination: **CIFZ0005**

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patent is extended or adjusted under 35
U.S.C. 154(b) by 38 days.

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(52) **U.S. Cl.**
USPC **Plt./291**

(58) **Field of Classification Search**
USPC Plt./291, 292, 287
See application file for complete search history.

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(57) **ABSTRACT**

A new *Chrysanthemum* plant named 'CIFZ0005' particularly distinguished by the medium red-purple decorative inflorescences, medium green foliage color, medium to large rounded plant habit and a natural season flowering response of mid to late September.

1 Drawing Sheet

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

Varietal denomination: 'CIFZ0005'.

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 'CIFZ0005'.

'CIFZ0005' is a product of a planned breeding program. The new cultivar has medium red-purple decorative inflorescences, medium green foliage color, medium to large rounded plant habit and a natural season flowering response of mid to late September.

'CIFZ0005' originates as a whole plant mutation of a parent plant designated as '05-M162A'. 'CIFZ0005' was discovered and selected by the inventor in November 2009 as a single flowering plant within a large population of the parent cultivar, grown in pots outdoors in Alva, Fla. The parent cultivar has light lavender inflorescence color.

The first act of asexual reproduction of 'CIFZ0005' was accomplished when vegetative cuttings were propagated from the initial selection in January 2010 in a greenhouse in Alva, Fla.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings of the plant initiated in January 2010 and continuing thereafter has demonstrated that the combination of characteristics as herein disclosed for 'CIFZ0005' are firmly fixed and are retained through successive generations of asexual reproduction.

'CIFZ0005' 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.

Plant Breeder's Rights for this cultivar were applied for in Canada on Feb. 24, 2012 (12-7524) and at the Community

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Plant Variety Office on May 10, 2012 (2012/1024) 'CIFZ0005' 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 *Chrysanthemum* as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawing shows typical inflorescence and foliage characteristics of 'CIFZ0005' with colors being as true as possible with an illustration of this type. The photographic drawing shows a flowering plant of the new variety and a close-up of the inflorescences.

DETAILED BOTANICAL DESCRIPTION

The plant descriptions, measurements and aforementioned photographs were taken in Gilroy, Calif. in early August 2012 outdoors. These plants were about 12-14 weeks of age, grown in 1 gallon pots in an outdoor trial.

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

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIFZ0005'
AND A MOST SIMILAR VARIETY

	'CIFZ0005'	'Yovictoria' (U.S. Plant Pat. No. 13,799)
Inflorescence size:	Larger	Smaller
Ray floret color:	Lighter shade	Darker shades
Disc floret quantity:	More	Fewer
Uniformity in flowering:	Open more uniformly	Less uniformly
Foliage color:	More medium green	Seen at times more pale green

Plant:

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

Plant height.—15-17.0 cm.

Plant height (inflorescence included).—25-27.0 cm.

Plant width.—37-40.0 cm.

Roots:

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

Number of days to produce a rooted cutting.—4-6 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.

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

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

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

Length.—3-3.2 cm.

Width.—3-3.7 cm.

Shape.—Ovate.

Base shape.—Attenuate.

Apex shape.—Mucronulate.

Margin.—Palmately lobed; irregularly incised.

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

Texture, lower surface.—Bifid T-shaped hairs.

Color of veins, upper surface.—Indistinct.

Color of veins, lower surface.—Indistinct.

Petiole color.—Closest to RHS 137A.

Length.—1.3-1.5 cm.

Diameter.—0.15-0.2 cm.

Texture.—Bifid T-shaped hairs.

Stem:

Quantity of main branches per plant.—About 8.

Color of stem.—Closest to RHS 146A.

Length of stem.—10-12.0 cm.

Diameter.—0.3 cm.

Length of internodes.—0.5-1.0 cm.

Texture.—Bifid T-shaped hairs.

Color of peduncle.—Closest to RHS 146A.

Length of peduncle.—8-10.0 cm.

Peduncle diameter.—0.175-0.2 cm.

Texture.—Bifid T-shaped hairs.

Inflorescence:

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

Quantity of short days to flowering (response time).—About 45-46 days.

Natural season flowering.—Mid to late September.

Quantity of inflorescences per plant.—75-85.

Lastingness of individual blooms on the plant.—Less than 6 weeks from first color.

Fragrance.—Slightly spicy.

Bud (just when opening/showing color):

Color.—RHS 7A.

Length.—0.9-1.2 cm.

Width.—1.0 cm.

Shape.—Oblate.

Immature inflorescence:

Diameter.—4.5-5.0 cm.

Color of ray florets, upper surface.—Closest to RHS 70A.

Color of ray floret, lower surface.—Between RHS 70B and RHS 70C.

Mature inflorescence:

Diameter.—5.5-6.0 cm.

Depth.—1.5-1.75 cm.

Total diameter of disc.—0.5-0.6 cm.

Receptacle color.—RHS 144D.

Receptacle height.—0.5 cm.

Receptacle diameter.—0.4 cm.

Ray florets:

Average quantity of florets.—About 125 in numerous whorls.

Color of florets, upper surface.—RHS N155B but whiter ground color overlaid with irregular light shades of RHS 70B. Very mature inflorescences fade more at the apex to about RHS 155C.

Color of florets, lower surface.—RHS 70B with most at RHS 70C.

Length.—2.5-2.6 cm.

Width.—0.4-0.5 cm.

Shape.—Elliptical to oblong.

Apex shape.—Praemorse.

Base shape.—Truncate.

Margin.—Entire.

Texture, upper surface.—Papillose.

Texture, lower surface.—Papillose.

Disc florets:

Average quantity of florets.—About 80.

Color of florets.—RHS 1B base but with more yellow; RHS 13A apex.

Length.—0.4 cm.

Width.—0.1 cm.

Shape.—Tubular, elongated.

Apex shape.—Acute, 5 pointed.

Texture, inner surface.—Glabrous.

Texture, outer surface.—Glabrous.

Phyllaries:

Quantity.—About 25.

Color, upper surface.—Closest to RHS 137A.

Lower surface.—RHS 137B.

Length.—0.6 cm.

Width.—0.15-0.2 cm.

Shape.—Lanceolate to linear.

Apex shape.—Acute.

Base.—Fused.

Margins.—Entire.

Texture, upper surface.—Glabrous.

Texture, lower surface.—Bifid T-shaped hairs.

Reproductive organs:

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

Length.—0.5 cm.

Style color.—RHS 1C; translucent.

Style length.—0.4 cm.

Stigma color.—RHS 13A.

Stigma shape.—Bi-parted.

Ovary color.—Not developed to this date.

Stamens.—4, found only on the disc florets.

Color of filaments.—RHS 1C; translucent.

Length filaments.—0.2 cm.

Anther color.—RHS 2A.

Anther length.—0.1 cm.

Anther shape.—Oval.
Color of pollen.—RHS 14A.
Pollen amount.—Scarce.
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 'CIFZ0005' substantially as illustrated and described herein.

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