

US00PP36177P2

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

(10) **Patent No.:** **US PP36,177 P2**

(45) **Date of Patent:** **Oct. 1, 2024**

(54) **CHRYSANTHEMUM PLANT NAMED**
'CIFZ0108'

(50) Latin Name: *Chrysanthemum x morifolium*
Varietal Denomination: **CIFZ0108**

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(*) 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.: **18/445,752**

(22) Filed: **Jan. 17, 2024**

(51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/14 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./288**
CPC **A01H 6/1424** (2018.05)

(58) **Field of Classification Search**
USPC Plt./288, 294
CPC A01H 5/02; A01H 5/00; A01H 6/1424;
A01H 6/14
See application file for complete search history.

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Plt./294

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(57) **ABSTRACT**
A new garden type *Chrysanthemum* plant named
'CIFZ0108' particularly distinguished by its medium size
plant with round plant habit, a medium to large size white
semi-decorative flower, 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: 'CIFZ0108'.

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 'CIFZ0108'.

'CIFZ0108' is a product of a planned breeding program.
The new cultivar has medium size plant with round plant
habit, a medium to large size white semi-decorative flower,
and a natural season response in early September.

'CIFZ0108' originated from a cross made in November
2018 in Enkhuizen, The Netherlands. Seeds were sown in
June 2019 in Alva, Florida and 'CIFZ0108' was selected
from the resulting population on Oct. 14, 2019 in Alva,
Florida.

The female parent was 'FICHRYEVENWHI', U.S. Plant
Pat. No. 30,456.

TABLE 1

Characteristics of the female parent, compared to 'CIFZ0108':		
Trait	'CIFZ0108'	'FICHRYEVENWHI', U.S. Plant Pat. No. 30,456
Natural response:	Approximately 4 weeks faster	Approximately 4 weeks slower

TABLE 1-continued

Characteristics of the female parent, compared to 'CIFZ0108':		
Trait	'CIFZ0108'	'FICHRYEVENWHI', U.S. Plant Pat. No. 30,456
Blackcloth response:	At least 1 week faster	At least 1 week slower
Flower size:	Larger	Smaller
Flower color:	Similar	Similar
Flower type:	More disc florets	Less disc florets
Plant habit:	Similar	Similar

The male parent is unknown; seeds from different males
were grouped and sown together.

The first act of asexual reproduction of 'CIFZ0108' was
accomplished when vegetative cuttings were propagated
from the initial selection in January 2020 in Alva, Florida.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings
of the plant initiated in June 2020 and continuing thereafter,
has demonstrated that the combination of characteristics as
herein disclosed for 'CIFZ0108' are firmly fixed and are
retained through successive generations of asexual repro-
duction.

'CIFZ0108' 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. 'CIFZ0108' has not been made publicly available 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 'CIFZ0108' 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 'CIFZ0108' with colors being as true as possible with an illustration of this type. The photographic drawings show 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 on Sep. 12, 2023 both showing a plant from the same blackcloth indoor trial in Enkhuizen, The Netherlands.

These plants were about 13 weeks of age. One rooted cutting per pot had been planted in a 15 cm pot, not pinched in week 23, 2023 and black clothed from week 29. Plants started flowering the end of August 2023.

The measurements were taken in Enkhuizen, The Netherlands, in September 2023 on plants from the same indoor blackcloth trial.

Differences between the new variety 'CIFZ0108' and two most similar varieties:

TABLE 2

Trait	'CIFZ0108'	'CIFZ0028', U.S. Plant Pat. No. 23,012
Natural response:	Similar or a bit faster	Similar or a bit slower
Blackcloth response:	At least a week faster	At least a week slower
Flower size:	Smaller	Larger
Flower color:	Similar	Similar
Flower type:	Semi-decorative	Daisy/Anemone
Plant size:	Similar or bit larger	Similar or bit smaller
Plant habit:	Similar	Similar

TABLE 3

Trait	'CIFZ0108'	'Daybreak Pure White', not patented
Natural response:	½ week slower	½ week faster
Flower size:	Similar	Similar
Flower color:	Similar	Similar
Flower type:	Similar	Similar
Plant size:	Larger overall	Smaller overall
Plant habit:	Rounder	Less spread

DETAILED BOTANICAL DESCRIPTION

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

Plant:

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

Plant height (above soil).—18 cm.

Plant height (inflorescence included).—22 cm.

Plant width.—34 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 137B.

Immature leaf, color lower surface.—RHS 147B.

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

Mature leaf, color lower surface.—RHS 147B.

Length.—6.0 cm.

Width.—3.5 cm.

Shape.—Ovate, with distinct lobes.

Base shape.—Acuminate.

Apex shape.—Apiculate.

Margin.—3 lobed.

Number of margin indentations.—5-6.

Depth of margin indentations.—2-3 mm.

Leaf length terminal lobe relative to total leaf length.—1:4.

Leaf depth lower lateral sinus.—1.3 cm.

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.—No petiole present.

Presence of stipules.—No.

Stem:

Quantity of main branches per plant.—3-4.

Color of stem.—RHS 144A.

Length of stem.—11.0-14.0 cm.

Diameter.—0.3-0.4 cm.

Length of internodes.—1.5-3.0 cm.

Texture.—Bifid hairs.

Color of peduncle.—RHS 146A.

Length of peduncle.—3.5-4.0 cm.

Peduncle diameter.—0.2 cm.

Texture.—Bifid hairs.

Inflorescence:

Type.—Compositae, solitary, semi-decorative inflorescences borne terminally above foliage, ligulate ray florets arranged in whorls on a capitulum giving a semi-double flower.

Quantity of short days to flowering (response time).—Approximately 7.5 weeks.

Quantity of inflorescences per plant.—About 165 with some small buds developing.

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

Fragrance.—Slightly spicy.

Bud (when showing color):

Color.—RHS 155A.

Length.—0.7 cm.

Width.—0.7 cm.

Shape.—Oblate.

Immature inflorescence (at moment of opening):

Diameter.—2.0 cm.

Color of ray florets, upper surface.—RHS 155A.

Color of ray florets, lower surface.—RHS 155A.

Mature inflorescence:

Diameter.—3.5-4.0 cm.

Depth.—2.0 cm.

Total diameter of disc.—1.1 cm.

Receptacle color.—RHS 137A.

Receptacle height.—0.8 cm.

Receptacle diameter.—0.9 cm.

Length of corolla tube.—0 cm.

Ray florets:

Average quantity of florets.—200.

Color of florets, upper surface.—RHS 155A.

Color lower surface.—RHS 155A.

Length.—1.6 cm.

Width/diameter.—0.4 cm.

Average number of rows of ray florets.—6.

Shape.—Oblanceolate.

Apex shape.—Acute, occasionally dentate.

Base shape.—Moderately concave.

Margin.—Entire. Small incisions may be present at tip.

Margin.—type of rolling: Flat.

Texture, upper surface.—Papillate.

Lower surface.—Papillate.

Ribs present.—No.

Number of keels.—0.

Profile at widest point.—Flat.

Longitudinal axis shape.—Incurving.

Longitudinal axis curvature strength.—Rather strong.

Corolla tube shape.—No tube.

Disc florets:

Number of disk florets.—30.

Width.—0.1 cm.

Length.—0.3 cm.

Colour.—Base RHS 145D, top RHS 20A.

Inflorescence (at moment of senescence):

Color of ray florets, upper surface.—RHS 155A.

Color of ray florets, lower surface.—RHS 155A.

Phyllaries:

Quantity.—22.

Color, upper surface.—RHS 137B.

Color, lower surface.—RHS 147B.

5 *Length*.—0.4 cm.

Width.—0.1 cm.

Shape.—Ensiform.

Apex shape.—Acute.

Base.—Fused.

10 *Margins*.—Entire.

Texture, upper surface.—Glabrous.

Texture, lower surface.—Canescent.

Reproductive organs:

Pistil.—One.

15 *Length*.—0.4 cm.

Style color.—RHS 1D.

Style length.—0.3 cm.

Stigma color.—RHS 12C.

Stigma shape.—Bi-parted.

20 *Ovary color*.—RHS 1C.

Ovary length.—0.2 cm.

Ovary width.—0.1 cm.

Androecium:

Stamens.—1, found on only disc florets.

25 *Color of filaments*.—RHS 157D.

Length filaments.—0.2 cm.

Anther color.—RHS 1B.

Anther length.—0.2 cm.

Anther shape.—Oval to club shaped.

30 *Color of pollen*.—RHS 12B.

Pollen amount.—Moderate.

Fertility/seed set.—Has not been determined to date.

Disease/pest resistance.—Has not been determined to date.

35 *Hardiness*.—Has not been determined to date.

What is claimed is:

1. A new and distinct variety of *Chrysanthemum* plant named 'CIFZ0108' substantially as illustrated and described herein.

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FIG. 1

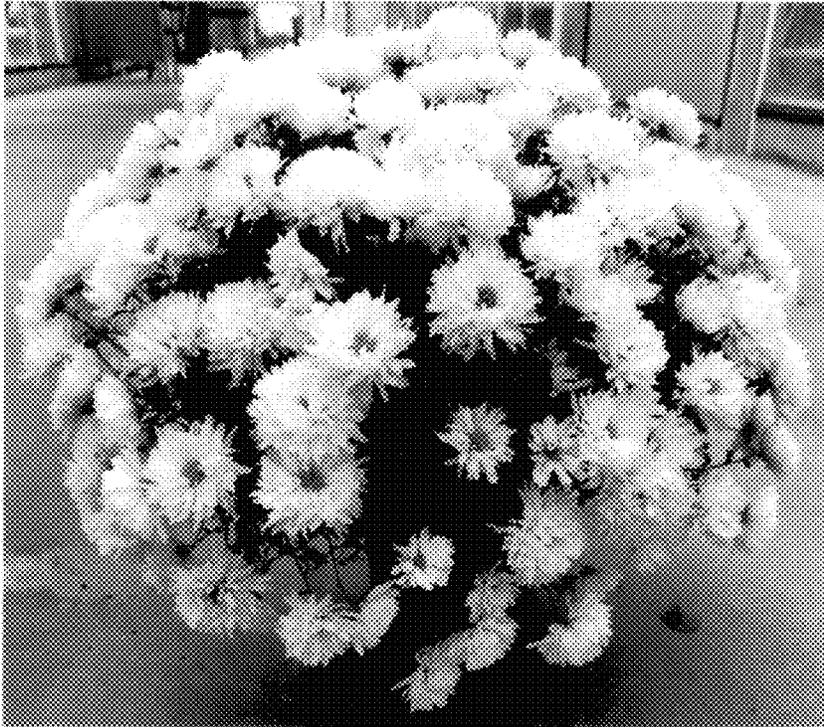


FIG. 2