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

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(54) **CHRYSANTHEMUM PLANT NAMED**
‘CIFZ0025’

(50) Latin Name: *Chrysanthemum*×*morifolium*
Varietal Denomination: **CIFZ0025**

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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 79 days.

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(51) **Int. Cl.**
A01H 5/02 (2006.01)

(52) **U.S. Cl.**
USPC **Plt./289**

(58) **Field of Classification Search**
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CPC A01H 5/0255; A01H 5/025; A01H 5/02
See application file for complete search history.

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(57) **ABSTRACT**

A new *Chrysanthemum* plant named ‘CIFZ0025’ particularly
distinguished by the medium sized yellow decorative inflo-
rescences, medium plant size with a rounded and mounded
habit and a natural flowering response of early October.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed:
Chrysanthemum×*morifolium*.
Varietal denomination: ‘CIFZ0025’.

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 ‘CIFZ0025’.

‘CIFZ0025’ is a product of a planned breeding program.
The new cultivar has medium sized yellow decorative inflo-
rescences, medium plant size with a rounded and mounded
habit and a natural flowering response of early October.

‘CIFZ0025’ originated as a naturally occurring branch
mutation found on an unpatented, proprietary seedling iden-
tified as ‘G0495K4’. ‘CIFZ0025’ was discovered and
selected by the inventor in March 2011 as a flowering branch
within a small population of the parent cultivar grown in a pot
trial in Gilroy, Calif. The parent cultivar has creamy white
colored inflorescences with a plant size that is a bit smaller
and a natural season response that is two weeks faster than
that of ‘CIFZ0025’.

The first act of asexual reproduction of ‘CIFZ0025’ was
accomplished when vegetative cuttings were propagated
from the initial selection in April 2011 in a greenhouse in
Gilroy, Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings of
the plant initiated in April 2011, and continuing thereafter,
has demonstrated that the combination of characteristics as
herein disclosed for ‘CIFZ0025’ are firmly fixed and are
retained through successive generations of asexual reproduc-
tion.

‘CIFZ0025’ has not been observed under all possible envi-
ronmental conditions. The phenotype may vary significantly
with variations in environment such as temperature, light
intensity, and day length.

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A Plant Breeder’s Right for this cultivar was applied for in
Canada on Mar. 8, 2013 (13-7959). ‘CIFZ0025’ 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 *Chry-
santhemum* as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawing shows typical
flower and foliage characteristics of ‘CIFZ0025’ with colors
being as true as possible with an illustration of this type.

The photographic drawing shows in FIG. 1 a flowering
plant of the new variety and in FIG. 2 a close-up of the
inflorescences.

DETAILED BOTANICAL DESCRIPTION

The plant descriptions and measurements were taken in
Gilroy, Calif. in early September 2013 outdoors in natural
light. These plants were grown in 6 inch pots in a greenhouse
trial and were about 11 weeks old. These plants were not
pinched.

The aforementioned photographs were taken in October
2012 in New Jersey. These plants were about 17-18 weeks of
age. They were grown 1 plant per 9 inch pot. These plants
were not pinched.

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

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY ‘CIFZ0025’ AND A MOST SIMILAR VARIETY		
	‘CIFZ0025’	‘Yobethany’ (U.S. Plant Pat. No. 16,969)
Plant size in natural season:	Larger overall	Smaller
Plant habit in blackcloth:	Less upright and clubby	More upright and clubby

TABLE 1-continued

DIFFERENCES BETWEEN THE NEW VARIETY 'CIFZ0025' AND A MOST SIMILAR VARIETY		
	'CIFZ0025'	'Yobethany' (U.S. Plant Pat. No. 16,969)
Inflorescence color:	Bit lighter yellow	Bit darker yellow
Inflorescence size:	Larger	Smaller

Plant:

Form, growth and habit.—Herbaceous garden-type, stems upright and somewhat outwardly spreading, freely branching.
Plant height.—20-22.0 cm.
Plant height (inflorescence included).—24-26.0 cm.
Plant width.—44-47.0 cm.

Roots:

Number of days to initiate roots.—About 4 days at about 22 degrees C.
Number of days to produce a rooted cutting.—14-16 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 147A but lighter.
Immature, leaf color, lower surface.—Closest to RHS 137C.
Mature, leaf color, upper surface.—Closest to RHS 147A but lighter.
Mature, leaf color, lower surface.—Closest to RHS 137C.
Length.—4.2-4.9 cm.
Width.—2.2-2.4 cm.
Shape.—Lanceolate to ovate.
Base shape.—Attenuate.
Apex shape.—Acute.
Margin.—Palmately lobed; slightly irregularly incised; serrate.
Texture, upper surface.—Bifid T-shaped hairs.
Texture, lower surface.—Bifid T-shaped hairs.
Color of veins, upper surface.—Closest to RHS 147B.
Color of veins, lower surface.—Closest to RHS 147B.
Pattern of veining.—Palmate.
Petiole color.—Closest to RHS 147B.
Length.—9.0-12.0 cm.
Diameter.—0.15 cm.
Texture.—Bifid T-shaped hairs.

Stem:

Quantity of main branches per plant.—8-10.
Color of stem.—Closest to RHS 137B.
Length of stem.—14-16.0 cm.
Diameter.—0.3 cm.
Length of internodes.—0.5-1.0 cm.
Texture.—Bifid T-shaped hairs.
Color of peduncle.—RHS 137B.
Length of peduncle.—3.5-4.0 cm.
Peduncle diameter.—0.15 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 8 weeks.

Natural season flowering.—Early October.

Quantity of inflorescences per plant.—About 50 open with another 50 in immature stages.

Lastingness of individual blooms on the plant.—More than 5 weeks from the first color.

Fragrance.—Slightly spicy.

Bud (just when opening/showing color):

Color.—RHS 6A.
Length.—1.1-1.3 cm.
Width.—1.2-1.5 cm.
Shape.—Broadly oblate.

Immature inflorescence:

Diameter.—4-5.5 cm.
Color of ray florets, upper surface.—RHS 6A.
Color of ray florets, lower surface.—RHS 6B.

Mature inflorescence:

Diameter.—About 6.5 cm.
Depth.—2.5 cm.
Total diameter of disc.—Not showing at this time.
Receptacle color.—RHS 144B.
Receptacle height.—0.4 cm.
Receptacle diameter.—0.4 cm.

Ray florets:

Average quantity of florets.—125-130 in several whorls.
Color of florets, upper surface.—RHS 6A.
Lower surface.—RHS 6B.
Length.—2.2-2.5 cm.
Width.—0.6-0.8 cm.
Shape.—Oblong.
Apex shape.—Rounded.
Base shape.—Cuneate.
Margin.—Entire.
Texture, upper surface.—Papillose.
Texture, lower surface.—Papillose.

Disc florets:

Average quantity of florets.—9-15.
Color of florets.—RHS 1C but a little lighter.
Length.—0.2 cm.
Width.—0.1 cm.
Shape.—Tubular, elongated.
Apex shape.—Acute, 5 pointed.
Texture, inner surface.—Glabrous.
Texture, outer surface.—Glabrous.

Phyllaries:

Quantity.—About 20.
Color, upper surface.—Closest to RHS 137A.
Color, lower surface.—Closest to RHS 137A.
Length.—0.5-0.7 cm.
Width.—0.2 cm.
Shape.—Lanceolate.
Apex shape.—Acute.
Base.—Cuneate.
Margins.—Entire.
Texture, upper surface.—Glabrous.
Texture, lower surface.—Bifid T-shaped hairs.

Reproductive organs:

Pistil.—1, found on both types of florets.
Length.—0.4-0.5 cm.
Style color.—RHS 1B.
Style length.—0.3-0.4 cm.
Stigma color.—RHS 6B.
Stigma shape.—Bi-parted.
Ovary color.—RHS 144B.

Ovary length.—0.1 cm.
Ovary width.—0.1 cm.
Stamens.—4, found only on the disc florets.
Color of filaments.—RHS 1C.
Length filaments.—0.175 cm.
Anther color.—RHS 15B.
Anther length.—0.1 cm.
Anther shape.—Oblong.
Color of pollen.—RHS 15A.

Pollen amount.—Sparse.
Fertility/seed set.—Has not been determined to date.
Disease/pest resistance: Has not been determined to date.

5 What is claimed is:
 1. A new and distinct variety of *Chrysanthemum* plant
 named ‘CIFZ0025’ substantially as illustrated and described
 herein.

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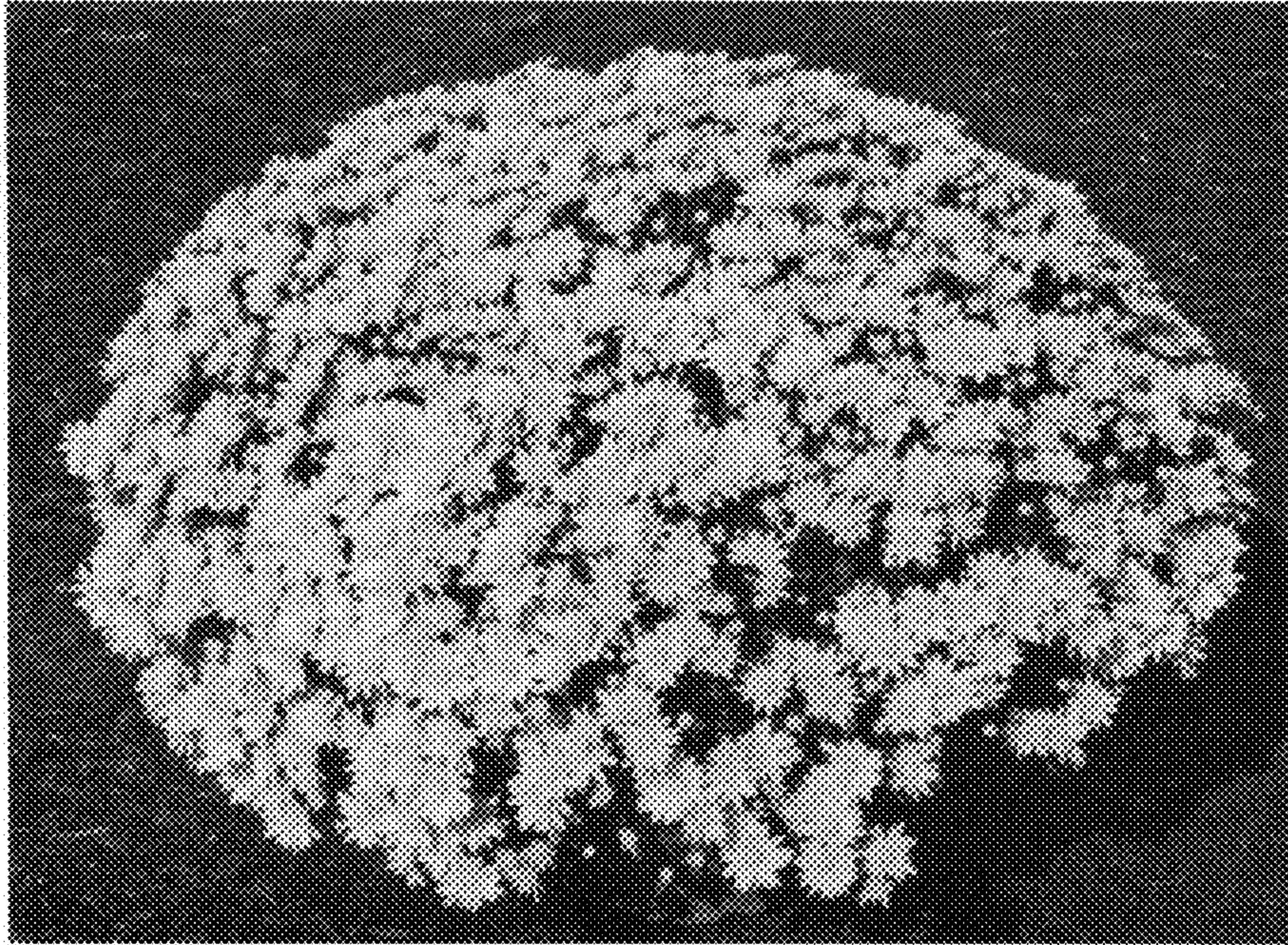


FIGURE 1



FIGURE 2