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**Pieters**

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

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(56) **References Cited**

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(57) **ABSTRACT**

A new plant variety of chrysanthemum producing flowers  
with white ray florets and cream disc florets.

**1 Drawing Sheet**

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**BACKGROUND OF THE INVENTION**

The present invention is directed to a new and distinct  
variety of *Chrysanthemum morifolium*. The varietal denomi-  
nation of the new chrysanthemum is 'FLORENCE'.

The new variety is a cross of two undistributed and  
unpatented seedlings. For convenience, the seed parent is  
named 'Subito' and the pollen parent is named 'Aruba'. The  
new variety has been asexually reproduced by vegetative  
cuttings in Ventura County, Calif. and the distinguishing  
characteristics are retained through successive generations  
of asexual reproduction.

**SUMMARY OF THE INVENTION**

'FLORENCE' is a chrysanthemum plant that produces  
flowers with white ray florets and cream disc florets.

**COMPARISON WITH PARENTS**

'FLORENCE' differs from both parents in flowering two  
weeks earlier under the same conditions.

**BRIEF DESCRIPTION OF ILLUSTRATIONS**

The accompanying photograph shows a typical specimen  
of the plant and flowers of the new variety with colors being  
as nearly true as possible with illustrations of this type.

**DESCRIPTION OF THE PLANT**

The following description of the new variety is of speci-  
mens grown in a greenhouse in Ventura County, Calif. The  
plants described are approximately 110 days old from a  
rooted cutting. 'FLORENCE' has not been observed under  
all possible environmental conditions. The phenotype may  
vary with variations in the environment such as temperature,  
light intensity, day length and cultural conditions. The color  
designations herein are from The Royal Horticultural Soci-  
ety Colour Chart except where general terms are used.

To produce a commercial product the plants may be  
pinched once about ten days after planting. No growth  
retardant has been applied in the specimens described.  
Useful growing conditions include average night tempera-  
tures of about 17° C. to 20° C. and average day temperatures  
of about 20° C. to 30° C. No susceptibility or resistance to  
disease has been observed. Resistance and susceptibility to

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insects has not been observed. Seed production has not been  
observed. Cold tolerance has been observed as follows:  
inflorescence do not show damage by cold until approxi-  
mately 25° F. Further cold tolerance has not been observed.  
5 Drought tolerance has been observed in that the new variety  
recovers from a full wilt without damage to inflorescence or  
foliage. Further drought tolerance has not been observed.

**ROOTING CHARACTERISTICS**

10 Time to initiate roots: About 7 to 14 days at about 21° C.  
Root description: Fine, fibrous.

**PLANT**

15 Plant type: Herbaceous perennial.  
Growth habit: Mounding.  
Height and width: Height about 25 cm, width about 26 cm.  
Growth rate: Moderate.  
20 Branching characteristics: Free branching, lateral branches  
are about 22 cm in length, about 0.5 cm in width and near  
138B in color.

**FOLIAGE**

25 Arrangement: Alternate.  
Compound or single: Single.  
Quantity of leaves: Approximately 120 per plant of this size.  
Leaf size:  
    *Length*.—About 7.5 cm.  
    *Width*.—About 5 cm.  
30 Leaf shape: Ovate.  
Leaf tip: Acuminate.  
Leaf base: Attenuate.  
Leaf attachment: Stalked.  
35 Petiole: Length about 3 cm, diameter about 0.3 cm, color  
near 138B.  
Margin type: Finely serrate.  
Texture: Lightly pubescent.  
40 Color:  
    *Young foliage upper side*.—Near 138A.  
    *Young foliage under side*.—Near 138B.  
    *Mature foliage upper side*.—Near 138A.  
    *Mature foliage under side*.—Near 138B.

Venation: Palmately net.

*Color*.—Venation upper side: Near 137C. Venation under side: Near 137D.

### BLOOM

Inflorescence:

*Flowering habit*.—Induced by darkness period greater than 13.5 hours. Approximately 50 days of day length required to induce and develop blooms.

*Inflorescence form*.—Decorative.

*Natural flowering season*.—Around the second and third weeks in September in Ventura County, Calif.

*Quantity of inflorescences per stem*.—About 11.

*Inflorescence diameter*.—About 5 cm.

*Inflorescence depth*.—About 2 cm.

*Inflorescence longevity on plant*.—About 18–24 days.

*Persistence*.—Persistent.

Ray florets:

*Appearance*.—Matte.

*Texture*.—Smooth.

*Number*.—Over 200.

*Shape*.—Oblanceolate.

*Margin*.—Entire.

*Tip*.—Obtuse.

*Length*.—About 3.5 cm.

*Width*.—About 1 cm.

*Pistil*.—About 1.1 cm in length.

*Color*.—Upper side: First opening: Near 12D. Mature: Near 155D. Fading: Near 155D. Under side: First opening: Near 8D. Mature: Near 155D. Fading: Near 155D.

Disc florets:

*Appearance*.—Shiny.

*Texture*.—Smooth.

*Number*.—Over 30.

*Shape*.—Cylindric.

*Tip*.—Obtuse.

*Length*.—About 1 cm.

*Width*.—About 0.1 cm.

*Color*.—First opening: Near 13A. Mature: Near 13A.

Fading: Near 13B.

Peduncle: About 0.3 cm in diameter.

*Length*.—Terminal, shortest: About 5 cm. Lateral, longest: About 9 cm.

*Color*.—Near 138A.

*Strength*.—Moderate.

*Habit*.—Erect.

Inflorescence bud:

*Length*.—About 1.2 cm.

*Diameter*.—About 1.2 cm.

*Form or shape*.—Globular.

*Color*.—Near 155D.

Involucral bracts: Length about 0.7 cm, width about 0.4 cm.

*Appearance*.—Matte.

*Texture*.—Lightly pubescent.

*Number*.—About 30 to 40.

*Shape*.—Ovate.

*Margin*.—Entire.

*Tip*.—Acute.

*Color*.—Upper side: Near 138B. Under side: Near 138B.

### REPRODUCTIVE ORGANS

Ray florets:

*Pistillate*.—Pistil number: 1 per flower. Stigma shape: 2 branched. Stigma color: Near 6D. Style length: About 1 cm. Style color: Near 6D.

Disc florets:

*Pistillate*.—Pistil number: 1 per flower. Stigma shape: Cylindric. Style length: About 0.8 cm.

*Staminate*.—Stamen number: About 5. Anther shape: Tubular. Anther color: Near 6D. Pollen color: Near 4A.

What is claimed is:

1. A new and distinct chrysanthemum plant of the variety substantially as herein shown and described.

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