US00PP16168P2

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

(10) **Patent No.: US PP16,168 P2**
(45) **Date of Patent: Dec. 20, 2005**

(54) ***ARGYRANTHEMUM* PLANT NAMED 'OHMADCAMA'**

(50) Latin Name: ***Argyranthemum×hybrida***
Varietal Denomination: **OHMADCAMA**

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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 16 days.

(21) Appl. No.: **11/011,296**

(22) Filed: **Dec. 13, 2004**

(51) **Int. Cl.**[7] **A01H 5/00**
(52) **U.S. Cl.** **Plt./263**
(58) **Field of Search** Plt./263

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(57) **ABSTRACT**

A new and distinct cultivar of *Argyranthemum* plant named 'OHMADCAMA' characterized by its double inflorescence form with white-colored ray florets, cream-colored disc florets, dark green-colored foliage, freely branching character, and compact and upright growth habit.

1 Drawing Sheet

Latin name of the genus and species of plant claimed: *Argyranthemum×hybrida.*
Variety denomination: 'OHMADCAMA'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Argyranthemum* plant botanically known as *Argyranthemum×hybrida,* and hereinafter referred to by the cultivar name 'OHMADCAMA'.

The new *Argyranthemum* originated in a controlled breeding program in Winmalee, New South Wales, Australia during February 2002. The objective of the breeding program was the development of *Argyranthemum* cultivars that are freely branching, have a compact upright growth habit, are freely flowering, and have unique flower coloration.

The female parent of the new cultivar was the proprietary breeding line 01-167, not patented, which exhibits semi-double pink-colored ray florets. The male parent of the new cultivar was proprietary breeding line 01-19, not patented, which exhibits single flower form and very compact growth habit. Seed from the above stated cross was germinated and grown to maturity. One plant within the progeny was discovered and selected by the inventor on Sep. 24, 2002 in a controlled environment at Winmalee, New South Wales, Australia.

Asexual reproduction of the new cultivar, by terminal stem cuttings, since September 2002 at Winmalee, New South Wales, Australia and West Chicago, Ill. has demonstrated that the new cultivar reproduces true to type with all the characteristics, as herein described, firmly fixed and retained through successive generations of such asexual propagation.

SUMMARY OF THE INVENTION

The following characteristics of the new cultivar have been repeatedly observed and can be used to distinguish 'OHMADCAMA' as a new and distinct cultivar of *Argyranthemum* plant:

1. Double inflorescence form with white-colored ray florets and cream-colored disc florets.

2. Dark green-colored foliage.
3. Freely branching character.
4. Compact and upright growth habit.

Plants of the new cultivar differ from plants of the female parent primarily in flower color and from the male parent primarily in flower form and growth habit.

Plants of the new cultivar are similar to plants of the cultivar Supagem, U.S. Plant Pat. No. 13,826. However, in side-by-side comparisons, carried out at West Chicago, Ill., plants of the new cultivar differ from plants of 'Supagem' in the following characteristics:

1. Plants of the new cultivar have larger inflorescences than plants of 'Supagem'.
2. Plants of the new cultivar have smaller leaves than plants of 'Supagem'.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographs show, as nearly true as it is reasonably possible to make the same in color illustrations of this type, typical inflorescence and foliage characteristics of the new cultivar. Colors in the photographs differ slightly from the color values cited in the detailed description, which accurately describe the colors of the new cultivar. The plants were grown in 10 cm pots for 13 weeks in a greenhouse at West Chicago, Ill.

FIG. **1** illustrates a view from above, of the overall growth and flowering habit of 'OHMADCAMA' with one plant per pot.

FIG. **2** illustrates a close-up view of an individual inflorescence of 'OHMADCAMA'.

DETAILED BOTANICAL DESCRIPTION

The new cultivar has not been observed under all possible environmental conditions to date. Accordingly, it is possible that the phenotype may vary somewhat with variations in the environment, such as temperature, light intensity, and day length without, however, any variance in genotype.

The chart used in the identification of colors described herein is The R.H.S. Colour Chart of The Royal Horticultural Society, London, England, 2001 edition, except where

color terms of ordinary significance are used. The color values were determined on Aug. 27, 2004 between 1:00 and 3:00 p.m. under natural light conditions.

The following descriptions and measurements describe plants produced from cuttings taken from stock plants and grown at West Chicago, Ill. in a double polycarbonate-covered greenhouse under conditions comparable to those used in commercial practice. The plants were grown in 10 cm pots for 13 weeks while utilizing a soilless growth medium. Greenhouse temperatures were maintained at approximately 65°–78° F. (18°–25° C.) during the day and approximately 50°–60° F. (10°–15° C.) during the night. Greenhouse light levels were maintained at 6,000 to 9,000 footcandles during the day.

Botanical classification: *Argyranthemum×hybrida* cultivar OHMADCAMA.

Parentage:

Female parent.—Proprietary breeding line 01-167.

Male parent.—Proprietary breeding line 01-19.

Propagation:

Type cutting.—Terminal stem.

Time to initiate roots.—Approximately 7 to 9 days.

Time to produce a rooted cutting.—Approximately 21 to 28 days.

Root description.—Fibrous.

Rooting habit.—Freely branching.

Plant description:

Crop time.—Approximately 6 to 9 weeks from a rooted cutting in a 10 cm pot.

Growth habit.—Compact. Freely branching. One or two pinches improve basal branching.

Form.—Upright, mounded.

Size.—Height: Approximately 21 cm from soil level to top of plant plane. Width (area of spread) — Approximately 28.9 cm.

Branch.—Quantity per plant: Approximately 9. Strength: Strong. Length from soil level to base of peduncle: Approximately 13.4 cm. Diameter: Approximately 3.2 mm. Texture: Glabrous. Color: Young and supple: 146C. Mature and woody: 199B. Internode length at middle of branch: Approximately 5.4 mm.

Foliage.—Quantity of leaves per branch: Approximately 19. Type: Simple. Fragrance: Slight, spicey. Arrangement: Alternate. Aspect: At an acute angle to the stem. Shape: Obovate. Margin: Parted. Apex: Acute, cuspidate. Base: Attenuate, decurrent. Venation pattern: Pinnate. Length: Approximately 4.5 cm. Width: Approximately 2.5 cm. Texture: Upper and lower surfaces are glabrous. Color of mature foliage: Upper surface: 146A with venation of 143C, glaucous. Lower surface: 146B with venation of 143C.

Flowering description:

Time to first flower.—Approximately 8 weeks from planting of rooted cutting.

Flowering habit.—Freely flowering under outdoor growing conditions with substantially continuous blooming from spring through autumn and year round in greenhouse environment.

Inflorescence description:

Appearance.—Solitary, composite. Persistent. Shape: Flat, round, Aspect: Facing upward or outward. Disc and ray florets develop acropetally on a capitulum. Fragrance: None.

Quantity of inflorescences per lateral branch.—Approximately 4.

Size.—Diameter: Approximately 4.4 cm. Depth Approximately 1.1 cm.

Lastingness of inflorescence.—Approximately 7–10 days.

Bud.—Rate of opening: Generally takes 5–6 days for buds to progress from first color to fully open inflorescences. Shape: Oval. Diameter: Approximately 4.8 mm. Color: 155C.

Ray florets.—Quantity per inflorescence: Approximately 102, arranged in several whorls. Aspect: Slightly convex. Arrangement: Imbricate. Shape: Linear. Margin: Entire. Apex: Emarginate with three tips. Base: Attenuate. Length: Approximately 1.7 cm. Width: Approximately 4 mm. Texture: Glabrous and ribbed. Color of young and mature ray florets: Upper and lower surfaces: N155D.

Disc.—Diameter: Approximately 6 mm. Depth: Approximately 4 mm.

Receptacle.—Shape: Cone. Diameter at base: Approximately 4 mm. Depth: Approximately 3 mm. Color: 145A.

Disc florets.—Quantity per inflorescence: Approximately 194. Shape: Tubular with five lobes each having an acute apex. Length: Approximately 5 mm. Diameter at apex: Approximately 1 mm. Diameter at base: Approximately 0.7 mm. Texture: Glabrous. Color: Immature: 155D. Color: Mature: 155D.

Phyllaries.—Quantity per inflorescence: Approximately 24. Arrangement: Imbricate, in several rows. Shape: Lanceolate. Margin: Entire. Apex: Acute. Base: Truncate. Length: Approximately 4 mm. Width: Approximately 2 mm. Texture: Glabrous, papery along edges. Color of upper surface: Closest to 143C. Color of lower surface: Closest to 143D.

Peduncle.—Strength: Strong, pliable. Aspect: Erect. Length: Approximately 7.0 cm. Diameter: Approximately 1.2 mm. Texture: Glabrous. Color: 144A.

Reproductive organs.—Androecium: Present on disc florets only. Stamens: 4. Anther length: 0.2 mm. Gynoecium: Present on ray and disc florets. There is one pistil per floret. Pistil length: 4 mm. Stigma shape: Two parted. Stigma length: 1 mm. Style length: 2 mm. Style color: 144C. Ovary diameter: 2 mm. Ovary color: 144C.

Seed and fruit production: Neither seed nor fruit production has been observed.

Disease and pest resistance: Resistance to pathogens and pests common to *Argyranthemum* has not been observed.

What is claimed is:

1. A new and distinct cultivar of *Argyranthemum* plant named 'OHMADCAMA', substantially as herein shown and described.

* * * * *

FIG. 1

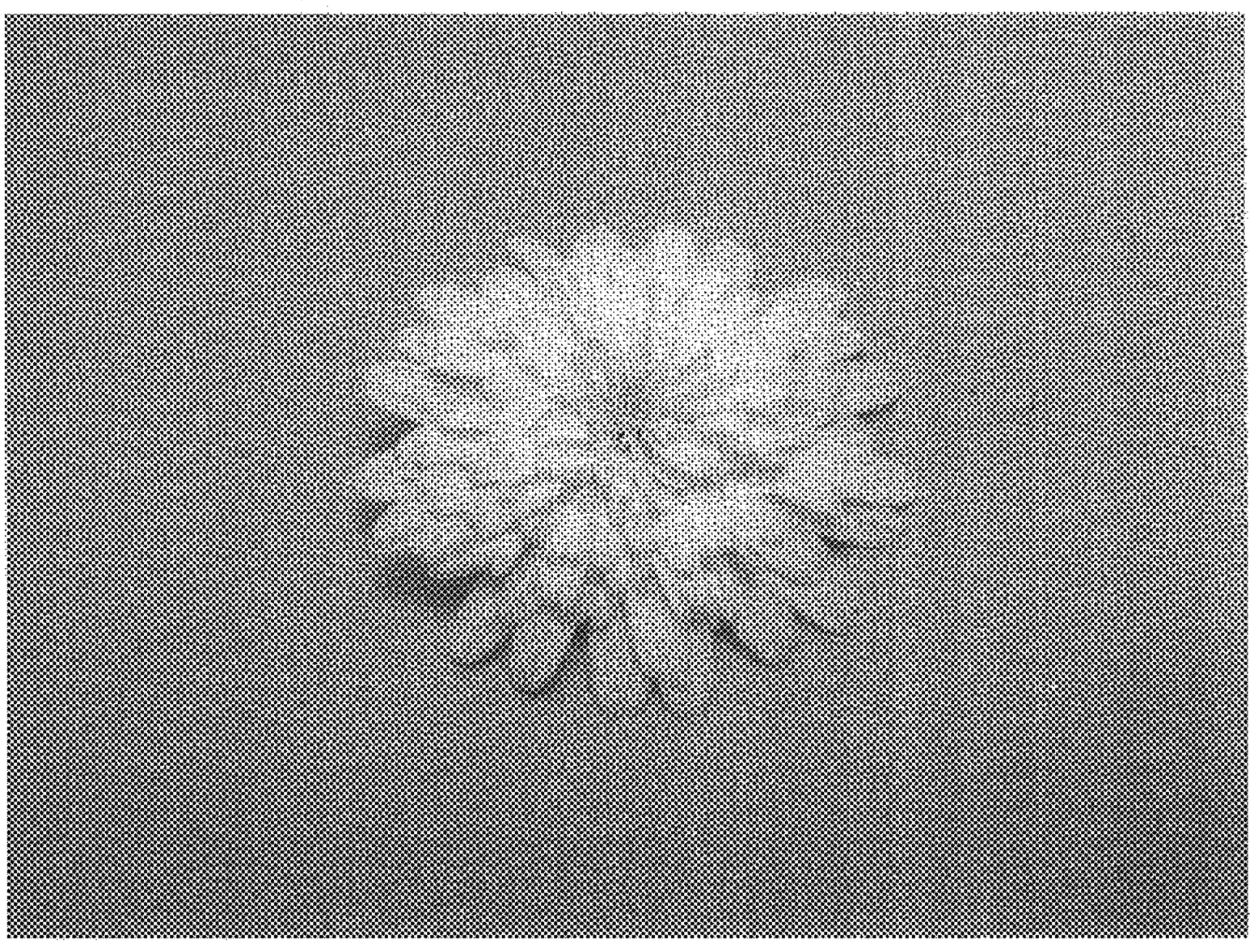

FIG. 2