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**Hammond**

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(54) **ARGYRANTHEMUM PLANT NAMED ‘M905’**

(50) Latin Name: *Argyranthemum frutescens*  
Varietal Denomination: **M905**

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patent is extended or adjusted under 35  
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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of *Argyranthemum* plant named  
‘M905’, characterized by its compact, upright and rounded  
plant habit; freely branching habit; dense and bushy plants;  
freely flowering habit with numerous inflorescences per  
plant; and anemone-type inflorescences with pink-colored  
ray florets and golden yellow-colored disc florets.

**1 Drawing Sheet**

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Botanical designation: *Argyranthemum frutescens*.  
Cultivar denomination: ‘M905’.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar  
of *Argyranthemum* plant, botanically known as *Argyranthe-*  
*mum frutescens* and hereinafter referred to by the cultivar  
name ‘M905’.

The new *Argyranthemum* originated from an open-  
pollination in 1999 of a proprietary seedling selection of  
*Argyranthemum frutescens* identified as M2/16, not  
patented, as the female, or seed, parent with an unidentified  
seedling selection of *Argyranthemum frutescens*, as the  
male, or pollen, parent. The cultivar M905 was discovered  
and selected by the Inventor as a flowering plant within the  
progeny from the aforementioned open-pollination in a  
controlled environment in Narre Warren East, Victoria,  
Australia on Nov. 15, 1999.

Asexual reproduction of the new *Argyranthemum* by  
terminal cuttings in a controlled environment since  
November, 1999, in Narre Warren East, Victoria, Australia,  
has shown that the unique features of this new *Argyranthe-*  
*mum* are stable and reproduced true to type in successive  
generations.

**SUMMARY OF THE INVENTION**

The new *Argyranthemum* has not been observed under all  
possible environmental conditions. The phenotype may vary  
somewhat with variations in environment such as tempera-  
ture and light intensity without, however, any variance in  
genotype.

The following characteristics have been repeatedly  
observed and are determined to be basic characteristics of  
‘M905’ and distinguish the new *Argyranthemum* as a new  
and distinct cultivar:

1. Compact, upright and rounded plant habit.
2. Freely branching habit, dense and bushy plants.
3. Freely flowering habit with numerous inflorescences  
per plant.

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4. Anemone-type inflorescences with pink-colored ray  
florets and yellow-colored disc florets.

Plants of the new *Argyranthemum* differ from plants of the  
female parent, the selection M2/16, in the following char-  
acteristics:

1. Plants of the new *Argyranthemum* are more compact  
than plants of the female parent selection.
2. Leaves of plants of the new *Argyranthemum* are more  
green in color than leaves of plants of the female parent  
selection.
3. Plants of the new *Argyranthemum* and the female  
parent selection differ in ray floret coloration.

Plants of the new *Argyranthemum* can be compared to  
plants of the cultivar M8/20, disclosed in U.S. Plant Pat. No.  
13,218. In side-by-side comparisons conducted in Narre  
Warren East, Victoria, Australia, plants of the new *Argyran-*  
*themum* had broader leaves than plants of the cultivar  
M8/20. In addition, plants of the new *Argyranthemum* and  
the cultivar M8/20 differed in ray floret coloration.

**BRIEF DESCRIPTION OF THE PHOTOGRAPHS**

The accompanying colored photographs illustrate the  
overall appearance of the new cultivar, showing the colors as  
true as it is reasonably possible to obtain in colored repro-  
ductions of this type. Colors in the photographs may differ  
slightly from the color values cited in the detailed botanical  
description which accurately describe the colors of the new  
*Argyranthemum*.

The photograph at the bottom of the sheet comprises a  
side perspective view of a typical flowering plant of ‘M905’  
grown in a container.

The photograph at the top of the sheet comprises a  
close-up view of typical inflorescences of ‘M905’.

**DETAILED BOTANICAL DESCRIPTION**

The aforementioned photographs, following observations  
and averaged measurements describe plants grown in  
Bonsall, Calif., in an outdoor nursery under full sunlight  
during the spring and summer with day temperatures aver-  
aging 24° C., night temperatures averaging 18° C. Plants had

been growing for about four months when the photographs and description were taken. Color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Argyranthemum frutescens* cultivar M905.

Parentage:

*Female, or seed, parent.*—Proprietary seedling selection of *Argyranthemum frutescens* identified as M2/16, not patented.

*Male, or pollen, parent.*—An unidentified seedling selection of *Argyranthemum frutescens*, not patented.

Propagation:

*Type.*—Terminal vegetative cuttings.

*Time to initiate roots, summer and winter.*—About one to two weeks at 22° C.

*Time to produce a rooted cutting, summer and winter.*—About one month at 20° C.

*Root description.*—Fibrous, fine; white in color.

*Rooting description.*—Freely branching.

Plant description:

*General appearance.*—Inverted triangle; compact, upright and rounded plant form with dense foliage and inflorescences held above and beyond the foliage. Moderately vigorous growth habit.

*Plant height.*—About 18 cm.

*Plant width.*—About 28 cm.

*Lateral branch description.*—Quantity per plant: About eight lateral branches. Length: About 17 cm. Diameter: About 3 mm. Internode length: About 7 mm. Aspect: Initially upright to outwardly spreading. Texture: Smooth, glabrous. Strength: Strong. Color: 145B.

*Foliage description.*—Arrangement: Alternate, simple. Length: About 2.6 cm. Width: About 2 cm. Shape: Pinnatifid, deeply and irregularly dissected. Apex: Acute. Base: Attenuate. Margin: Entire; deeply and finely dissected; sinuses parallel to divergent. Texture, upper and lower surfaces: Smooth, glabrous. Venation pattern: Pinnate. Petiole length: About 1.7 cm. Petiole diameter: About 2.5 mm. Petiole texture, upper and lower surfaces: Smooth, glabrous. Color: Developing and fully expanded foliage, upper and lower surfaces: 146A; venation, 146C. Developing and fully expanded foliage, lower surface: 146B; venation, 146C. Petiole, upper and lower surfaces: 146C.

Inflorescence description:

*Appearance.*—Anemone-type inflorescences with ligulate ray florets. Disc and ray florets develop acropetally on a capitulum. Inflorescences held upright and outwardly on terminal and axillary peduncles. Inflorescences positioned perpendicular to the peduncles. Inflorescences persistent.

*Flowering response.*—Under natural conditions, plant flower from spring to early fall in Southern California; plants flower continuous during this period.

*Inflorescence longevity.*—Inflorescences last about one week on the plant.

*Quantity of inflorescences.*—Freely flowering habit, about 20 to 24 open inflorescences and inflorescence buds per lateral branch.

*Fragrance.*—Sour.

*Inflorescence size.*—Diameter: About 3.2 cm. Depth (height): About 1.5 cm. Diameter of disc: About 1 cm. Receptacle height: About 8 mm. Receptacle diameter: About 1.1 cm.

*Inflorescence buds, at stage of showing color.*—Height: About 8 mm. Diameter: About 8 mm. Shape: Ovoid. Color: 155B.

*Ray florets.*—Quantity per inflorescence: About 28 outer ray florets in two whorls and about 24 smaller inner ray florets in a single whorl. Shape: Ligulate. Length: Outer ray florets, about 1.5 cm; inner ray florets, about 8 mm. Width: Outer ray florets, about 3 mm; inner ray florets, about 2 mm. Apex: Emarginate. Base: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous; velvety. Aspect: Initially upright; with development, eventually horizontal to the peduncle. Color: When opening, upper surface: 155A. When opening, lower surface: 155D. Fully opened, upper surface: 70B to 70C; color becoming closer to 75D with development. Fully opened, lower surface: 75C.

*Disc florets.*—Arrangement: Massed at the center of the inflorescence. Quantity per inflorescence: About 90. Shape: Tubular, elongated; apex, five-pointed; base, fused. Length: About 5 mm. Diameter, apex: About 1 mm. Diameter, base: Less than 1 mm. Color: Immature: 13A. Mature, apex: 13B. Mature, mid-section: 145C. Mature, base: 145D.

*Involucral bracts (phyllaries).*—Appearance: Scale-like; margins, papery. Quantity per inflorescence: About 30 in three whorls; imbricate. Length: About 3 mm. Width: About 1.5 mm. Shape: Elliptic. Apex: Acute. Base: Truncate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper surface: 145C. Color, lower surface: 144B to 144C.

*Peduncle.*—Strength: Moderately strong; wiry. Aspect: Upright to about 45° from vertical. Length, terminal inflorescence: About 4.3 cm. Length, second inflorescence: About 5.2 cm. Length, third inflorescence: About 3.7 cm. Diameter: About 1.5 mm. Texture: Smooth, glabrous. Color: 144A.

*Reproductive organs.*—Androecium: Only on disc florets. Stamen quantity per floret: Five. Anther length: Less than 1 mm. Anther shape: Oval. Anther color: 14A. Amount of pollen: Scarce. Pollen color: 14A. Gynoecium: Present on ray and disc florets. Pistil quantity per floret: One. Pistil length: About 6 mm. Stigma shape: Two-parted. Stigma color: 13A. Style length: About 3 mm. Style color: 145C. Ovary color: 157A.

*Seed/fruit.*—Seed and fruit production has not been observed.

Disease/pest resistance: Resistance to pathogens and pests common to *Argyranthemums* has not been observed on plants grown under commercial conditions.

Temperature/weather tolerance: Plants of the new *Argyranthemum* have been observed to be tolerant to rain, wind and to temperatures from about -2° C. to about 40° C. It is claimed:

1. A new and distinct cultivar of *Argyranthemum* plant named 'M905', as illustrated and described.

