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

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(57) **ABSTRACT**

A distinct cultivar of *Argyranthemum* plant named  
'Supaglow', characterized by its compact, uniform, upright  
to outwardly spreading, and mounded plant habit; freely  
branching habit; dense and bushy plants; glossy dark green  
foliage; freely flowering habit with numerous inflorescences  
per plant; anemone inflorescence form; and purple-colored  
ray and disc florets that fade to light pink with development.

**1 Drawing Sheet**

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Botanical classification/cultivar denomination: *Argyranthemum frutescens* cultivar Supaglow.

**BACKGROUND OF THE INVENTION**

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

The new *Argyranthemum* is a product of a planned  
breeding program conducted by the Inventor in Cobbitty,  
New South Wales, Australia. The objective of the program  
is to create and develop new compact *Argyranthemum*  
cultivars with numerous inflorescences with attractive ray  
florete coloration.

The new *Argyranthemum* originated from a cross by the  
Inventor in 1998 of the *Argyranthemum frutescens* cultivar  
Summer Stars Pink, disclosed in U.S. Plant Pat. No. 11,939,  
as the female, or seed, parent with a proprietary selection of  
*Argyranthemum frutescens* identified as code number J27,  
not patented, as the male, or pollen, parent. The new  
*Argyranthemum* was discovered and selected by the Inven-  
tor as a plant within the progeny of the stated cross in a  
controlled environment in Cobbitty, New South Wales,  
Australia in October, 1999. The selection of the new *Argyranthemum*  
was based on its numerous anemone type inflorescences  
and purple-colored ray florets.

Asexual reproduction of the new *Argyranthemum* by  
terminal cuttings taken in a controlled environment in  
Cobbitty, New South Wales, Australia, since October, 1999,  
has shown that the unique features of this new *Argyranthemum*  
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

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'Supaglow' and distinguish the new *Argyranthemum* as a  
new and distinct cultivar:

1. Compact, uniform, upright to outwardly spreading, and mounded plant habit.
2. Freely branching habit, dense and bushy plants.
3. Glossy dark green foliage.
4. Freely flowering habit with numerous inflorescences per plant.
5. Anemone inflorescence form.
6. Purple-colored ray and disc florets that fade to light pink with development.

Plants of the new *Argyranthemum* differ from plants of  
the female parent, the cultivar Summer Stars Pink, primarily  
in inflorescence form as plants of the cultivar Summer Stars  
Pink have semi-double inflorescences. Plants of the new  
*Argyranthemum* also differ from plants of the male parent,  
the selection J27, primarily in inflorescence form as plants  
of the selection J27 have single inflorescences.

Plants of the new *Argyranthemum* can be compared to  
plants of the cultivar Pink Anemone, not patented. In side-  
by-side comparisons conducted in Encinitas, Calif., plants of  
the new *Argyranthemum* differed from plants of the cultivar  
Pink Anemone in the following characteristics:

1. Plants of the new *Argyranthemum* were much more compact than plants of the cultivar Pink Anemone.
2. Plants of the new *Argyranthemum* had smaller inflorescences than plants of the cultivar Pink Anemone.
3. Inflorescences of the new *Argyranthemum* had shorter disc florets than inflorescences of the cultivar Pink Anemone.

**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 top of the sheet comprises a side perspective view of three typical flowering plants of 'Supaglow' grown in a 21.5-cm container.

The photograph at the bottom of the sheet comprises a close-up view of typical leaves, flower buds and inflorescences of 'Supaglow'.

#### DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs, following observations and averaged measurements describe plants grown in Encinitas, Calif.; in an outdoor nursery during the late winter and early spring with day temperatures about 15° to 24° C., night temperatures about 10° to 19° C., and light levels about 5,000 foot-candles. Plants were grown for 14 weeks in 21.5-cm containers with three plants per container. Plants were pinched one time about five weeks after planting. Color references are made to The Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used.

Botanical classification: *Argyranthemum frutescens* cultivar Supaglow.

Parentage:

*Female or seed parent.*—*Argyranthemum frutescens* cultivar Summer Stars Pink, disclosed in U.S. Plant Pat. No. 11,939.

*Male or pollen parent.*—Proprietary selection of *Argyranthemum frutescens* identified as code number J27, not patented.

Propagation:

*Type.*—Terminal vegetative cuttings.

*Time to initiate roots.*—About 10 days at 20° C.

*Time to produce a rooted cutting.*—About 21 days at 20° C.

*Root description.*—Fine, fibrous and freely branching.

Plant description:

*General appearance.*—Inverted triangle; compact, uniform, upright to outwardly spreading, and mounded plant form with dense foliage and inflorescences held above the foliage on long peduncles. Vigorous growth habit.

*Plant height.*—About 30 cm.

*Plant width.*—All three plants: About 64 cm. Single plant: About 30 cm.

*Lateral branch description.*—Quantity per plant: About 6. Length: About 28 cm. Width: About 5 mm. Internode length: About 8 mm. Aspect: Upright to outward. Texture: Smooth, glabrous. Color: 145A.

*Foliage description.*—Arrangement: Alternate, simple. Quantity per lateral branch: About 20. Length: About 6.2 cm. Width: About 5.5 cm. Shape: Pinnatifid, deeply divided. Apex: Acute. Base: Attenuate. Margin: Serrate. Texture, both surfaces: Smooth, glabrous. Venation pattern: Parallel. Petiole length: About 2.8 cm. Petiole diameter: About 4 mm. Petiole texture: Smooth. Color: Young foliage, upper surface: 147A. Young foliage, lower surface: 147B. Fully expanded foliage, upper surface: 147A to 147B; glossy. Fully expanded foliage, lower surface: 147B. Venation, upper and lower surfaces: 147B. Petiole, upper and lower surfaces: 147B.

Inflorescence description:

*Appearance.*—Anemone composite inflorescence form with ligulate ray florets. Inflorescences held upright on terminal and axillary peduncles. Disc and ray florets arranged acropetally on a capitulum. Inflo-

rescences persistent. Inflorescences not fragrant. Inflorescences last about seven days on the plant.

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

*Quantity of inflorescences.*—Very freely flowering; about 20 flower buds and inflorescences per lateral branch and more than 100 flower buds and inflorescences per plant.

*Inflorescence size.*—Diameter: About 3.5 cm. Depth (height): About 1.1 cm. Diameter of disc: About 1.8 cm. Receptacle diameter: About 1.3 cm. Receptacle height: About 5 mm.

*Flower buds.*—Height: About 1 cm. Diameter: About 7 mm. Shape: Roughly ovoid. Color: 73A.

*Ray florets.*—Quantity per inflorescence: About 24 arranged in one whorl. Shape: Ligulate. Length: About 1.8 cm. Width: About 4 mm. Apex: Emarginate. Base: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth, velvety. Aspect: Initially upright; when mature, nearly perpendicular to the peduncle, with development, reflexed. Color: When opening, upper surface: 73A. When opening, lower surface: 75B. Fully opened, upper surface: Towards the base, 71A, towards the apex, 71B; fading to 75C to 75D towards the apex with subsequent development. Fully opened, lower surface: 75D.

*Disc florets.*—Arrangement: Massed at the center of the inflorescence. Quantity per inflorescence: About 100. Shape: Enlarged tubular, five-parted at apex; apex, acute; base, fused. Length: About 6 mm. Diameter: At apex: About 4 mm. At base: About 1 mm. Color: Immature: Apex: 185A. Mid-section and base: 12A. Mature: Apex: 12A to 10D. Mid-section: 157B. Base: 157A.

*Involucral bracts.*—Appearance: Scale-like; margins, papery. Quantity per inflorescence: About 24. Length: About 4 mm. Width: About 3 mm. Shape: Elliptic. Apex: Acute. Base: Truncate. Margin: Entire. Texture, upper and lower surfaces: Glabrous, smooth. Color: Upper surface: 147C. Lower surface: 147B.

*Peduncle.*—Strength: Strong. Aspect: Upright to about 45° from vertical. Length: First peduncle: About 11 cm. Fourth peduncle: About 12 cm. Seventh peduncle: About 9.5 cm. Diameter: About 2 mm. Texture: Smooth, glabrous. Color: 144B.

*Reproductive organs.*—Androecium: Present on disc florets only. Quantity per floret: Five fused around style. Anther shape: Ovoid. Anther length: Less than 1 mm. Anther color: 14B. Amount of pollen: Scarce. Color: 14B. Gynoecium: Present on both ray and disc florets. Quantity per floret: One. Pistil length: About 5 mm. Stigma shape: Two-parted. Stigma color: 14A. Style length: About 3 mm. Style color: 144D. Ovary color: 157A.

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

Disease resistance: Resistance to pathogens common to *Argyranthemum* 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 -1° C. to 30° C.

I claim:

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

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