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

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(*) **Notice:** Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
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(57) **ABSTRACT**

A distinct cultivar of *Argyranthemum* plant named
'Supalight', 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; single inflorescence form; red purple-colored ray
florets that fade to lighter red purple with development and
disc florets that are initially red purple and become bright
yellow with development.

1 Drawing Sheet

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

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
'Supalight'.

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
florelet coloration.

The new *Argyranthemum* originated from a cross by the
Inventor in 1998 of a proprietary selection of *Argyranthemum frutescens* identified as code number X96.143.1, not
patented, 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
Inventor 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 single inflorescences
and red 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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'Supalight' 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. Single inflorescence form.
6. Red purple-colored ray florets that fade to lighter red purple with development and disc florets that are initially red purple and become bright yellow with development.

Plants of the new *Argyranthemum* differ from plants of
the female parent, the X96.143.1, primarily in growth habit
as plants of the new *Argyranthemum* are much more freely
branching, denser and bushier than plants of the X96.143.1.

Plants of the new *Argyranthemum* differ from plants of
the male parent, the selection J27, in the following charac-
teristics:

1. Plants of the new *Argyranthemum* are not as compact as plants of the selection J27.
2. Plants of the new *Argyranthemum* have red purple-colored ray florets whereas plants of the selection J27 have pink-colored ray florets.

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

1. Plants of the new *Argyranthemum* were not as compact as plants of the cultivar Cobsing.
2. Ray florets of plants of the new *Argyranthemum* were red purple in color whereas florets of plants of the cultivar Cobsing were pink in color.

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 'Supalight' 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 'Supalight'.

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 Supalight.

Parentage:

Female or seed parent.—Proprietary selection of *Argyranthemum frutescens* identified as code number X96.143.1, not patented.

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 66 cm. Single plant: About 28 cm.

Lateral branch description.—Quantity per plant: About 6. Length: About 28 cm. Width: About 6 mm. Internode length: About 1 cm. Aspect: Upright to outward. Texture: Smooth, glabrous. Color: 147B.

Foliage description.—Arrangement: Alternate, simple. Quantity per lateral branch: About 20. Length: About 5.8 cm. Width: About 4.8 cm. Shape: Pinnatifid, deeply divided. Apex: Acute. Base: Attenuate. Margin: Serrate. Texture, both surfaces: Smooth, glabrous. Venation pattern: Parallel. Petiole length: About 2.3 cm. Petiole diameter: About 5 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 to 147C. Venation, upper surface: 147B. Venation, lower surface: 147C. Petiole, upper and lower surfaces: 147B.

Inflorescence description:

Appearance.—Single 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 five to 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 24 flower buds and inflorescences per lateral branch and more than 150 flower buds and inflorescences per plant.

Inflorescence size.—Diameter: About 3.5 cm. Depth (height): About 1 cm. Diameter of disc: About 1.2 cm. Receptacle diameter: About 1.2 cm. Receptacle height: About 7 mm.

Flower buds.—Height: About 8 mm. Diameter: About 6 mm. Shape: Roughly ovoid. Color: 60B.

Ray florets.—Quantity per inflorescence: About 18 arranged in one whorl. Shape: Ligulate. Length: About 1.7 cm. Width: About 5 mm. Apex: Emarginate. Base: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth, velvety. Aspect: Initially upright; when mature, about 60° from vertical, slightly reflexed. Color: When opening, upper surface: Brighter than 64A. When opening, lower surface: 70A to 70B. Fully opened, upper surface: 64A; at the base, 155A; fading to 69A at the apex and 70D below the apex to the base with subsequent development. Fully opened, lower surface: 70C.

Disc florets.—Arrangement: Massed at the center of the inflorescence. Quantity per inflorescence: About 120. Shape: Tubular, five-parted at apex; apex, acute; base, fused. Length: About 6 mm. Diameter: At apex: About 1.5 mm. At base: Less than 1 mm. Color: Immature: Apex: 178A. Mid-section and base: 14B. Mature: Apex: 12A. Mid-section: 12C. Base: 157A.

Involucral bracts.—Appearance: Scale-like; margins, papery. Quantity per inflorescence: About 18. Length: About 3 mm. Width: About 2 mm. Shape: Elliptic. Apex: Acute. Base: Truncate. Margin: Entire. Texture, upper and lower surfaces: Glabrous, smooth. Color: Upper surface: 144C. Lower surface: 144A.

Peduncle.—Strength: Strong. Aspect: Upright to about 45° from vertical. Length: First peduncle: About 7 cm. Fourth peduncle: About 11.5 cm. Seventh peduncle: About 14 cm. Diameter: About 2 mm. Texture: Smooth, glabrous. Color: 144A.

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: 12A. Amount of pollen: Scarce. Color: 12A. Gynoecium: Present on both ray and disc florets. Quantity per floret: One. Pistil length: About 6 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 'Supalight', as illustrated and described.

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