



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

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(54) **AZALEA PLANT NAMED ‘PROVENCE’**

(50) Latin Name: *Rhododendron hybrida*  
Varietal Denomination: **Provence**

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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of *Azalea* plant named ‘Provence’, characterized by its dark green-colored leaves that do not abscise during the cooling and forcing periods; uniform and somewhat outwardly spreading plant habit; freely branching habit; uniform and freely flowering habit; relatively rapid flowering response; large rich lavender-colored flowers; double flower form; and excellent postproduction longevity with plants maintaining good flower substance for about five weeks in an interior environment.

**2 Drawing Sheets**

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Botanical designation: *Rhododendron hybrida*.  
Cultivar denomination: ‘Provence’.

**BACKGROUND OF THE INVENTION**

The present Invention relates to a new and distinct cultivar of *Azalea*, botanically known as *Rhododendron hybrida*, an evergreen greenhouse-forcing type *Azalea*, and herein-after referred to by the name ‘Provence’.

The new *Azalea* is a product of a planned breeding program conducted by the Inventor in Alva, Fla. The objective of the breeding program is to create new *Azalea* varieties having uniform plant habit, profuse and uniform flowering response, dark green foliage, good foliage retention during the cooling and forcing periods, resistance to *Cylindrocladium* and excellent postproduction longevity.

The new *Azalea* originated from a cross-pollination made by the Inventor in April, 1997, in Alva, Fla., of the *Azalea* cultivar Sonnet, disclosed in U.S. Plant Pat. No. 16,784, as the female, or seed, parent with the *Azalea* cultivar Lavender Lace, disclosed in U.S. Plant Pat. No. 11,137, as the male, or pollen, parent. The new *Azalea* was discovered and selected by the Inventor as a flowering plant within the progeny of the stated cross-pollination in a controlled environment in Alva, Fla., on Feb. 13, 2001.

Asexual reproduction of the new *Azalea* by terminal cuttings taken in a controlled environment in Alva, Fla. since June, 2001, has shown that the unique features of this new *Azalea* are stable and reproduced true to type in successive generations.

**SUMMARY OF THE INVENTION**

The new *Azalea* has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, daylength and/or light intensity without, however, any variance in genotype. The following traits have been repeatedly observed and are determined to be the unique characteristics

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of ‘Provence’. These characteristics in combination distinguish ‘Provence’ as a new and distinct cultivar:

1. Dark green-colored leaves that do not abscise during the cooling and forcing periods.
2. Uniform and somewhat outwardly spreading plant habit.
3. Freely branching habit.
4. Uniform and freely flowering habit.
5. Relatively rapid flowering response; plants begin flowering about 25 days after cooling treatment.
6. Large rich lavender-colored flowers.
7. Double flower form.
8. Excellent postproduction longevity with plants maintaining good flower substance for about five weeks in an interior environment.

Plants of the new *Azalea* differ from plants of the female parent, the cultivar Sonnet, in the following characteristics:

1. Plants of the new *Azalea* have lighter colored foliage than plants of the cultivar Sonnet.
2. Plants of the new *Azalea* flower more uniformly than plants of the cultivar Sonnet.
3. Petal margins of plants of the new *Azalea* are smoother than and not as ruffled as petal margins of plants of the cultivar Sonnet.

Plants of the new *Azalea* differ from plants of the male parent, the cultivar Lavender Lace in the following characteristics:

1. Plants of the new *Azalea* are more upright than and not as spreading as plants of the cultivar Lavender Lace.
2. Plants of the new *Azalea* have smaller leaves than plants of the cultivar Lavender Lace.
3. Plants of the new *Azalea* have double flowers whereas plants of the cultivar Lavender Lace have single flowers.

Plants of the new *Azalea* can be compared to the plants of the cultivar YBAZ1885, disclosed in U.S. Plant Pat. No. 16,372. In side-by-side comparisons conducted in Alva, Fla.,

plants of the new *Azalea* differed from plants of the cultivar YBAZ1885 in the following characteristics:

1. Plants of the new *Azalea* flowered earlier than plants of the cultivar YBAZ1885.
2. Plants of the new *Azalea* had darker colored flowers than plants of the cultivar YBAZ1885.
3. Plants of the new *Azalea* had longer postproduction longevity than plants of the cultivar YBAZ1885.

#### BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new *Azalea*. These photographs show the colors as true as it is reasonably possible to obtain in colored reproductions 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 *Azalea*.

The photograph on the first sheet comprises a side perspective view of a typical flowering plant of 'Provence'.

The photograph on the second sheet is a close-up view of a typical flower of 'Provence'.

#### DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following observations and measurements describe plants grown in Alva, Fla. with three plants per 15-cm containers, in a polypropylene-covered shade house during the autumn and under commercial production conditions. During the production of the plants, day temperatures ranged from 13° C. to 37° C. and night temperatures ranged from 0° C. to 26° C. Plants were pinched at planting, pinched a second time about twelve weeks later, and then pinched a third time about twelve weeks after the second pinch. After sufficient flower bud development, plants were covered at 3° C. to 5° C. for about four weeks to break flower bud dormancy. Plants were subsequently forced into flower under commercial production conditions in a polyethylene-covered greenhouse. Plants used for the photographs and description were about one year old. In the following description, 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: *Rhododendron hybrida* 'Provence'.  
Commercial classification: Evergreen greenhouse-forcing type *Azalea*.

Parentage:

*Female, or seed, parent.*—*Rhododendron hybrida* cultivar Sonnet, disclosed in U.S. Plant Pat. No. 16,784.

*Male, or pollen, parent.*—*Rhododendron hybrida* cultivar Lavender Lace, disclosed in U.S. Plant Pat. No. 11,137.

Propagation:

*Type.*—By terminal vegetative cuttings.

*Time to initiate roots.*—Summer: About five weeks at temperatures of 24° C. Winter: About six weeks at temperatures of 24° C.

*Time to produce a rooted young plant.*—Summer: About nine weeks at temperatures of 24° C. Winter: About eleven weeks at temperatures of 24° C.

*Root description.*—Fine, fibrous, and white in color.

*Rooting habit.*—Freely branching; moderately dense.

Plant description:

*Plant form and growth habit.*—Perennial, evergreen; uniform and somewhat outwardly spreading plant habit; inverted triangle; moderately vigorous growth habit. Densely foliated; full and bushy plants. Uniform and freely flowering habit with numerous double flowers per plant.

*Branching habit.*—Freely branching; about five primary lateral branches develop after the initial pinch (removal of terminal apex); numerous secondary and tertiary branches develop after the sequential second and third pinches.

*Plant height, soil level to top of flowers.*—About 24 cm.

*Plant diameter, area of spread.*—About 37 cm.

*Lateral branch description.*—Length: About 19 cm.

Diameter at base: About 6 mm. Internode length: About 1.5 cm. Strength: Strong. Texture, developing: Pubescent, fine brown hairs. Texture, mature: Woody; pubescent, fine brown hairs. Color, developing: Close to 144A. Color, mature: Close to 165A.

*Foliage description.*—Arrangement: Alternate, single.

Foliage retention: Very good foliage retention on plants of the new *Azalea* that have been in a box for six weeks during the cooling treatment. Length: About 3.75 cm. Width: About 2 cm. Shape: Mostly elliptic. Apex: Cuspidate to mucronate. Base: Attenuate. Margin: Entire. Venation pattern: Pinnate. Texture, upper and lower surfaces: Pubescent; leathery, tough. Color: Developing and fully expanded foliage, upper surface: Much darker green than 147A; venation, close to 147A, towards the base, close to 146A. Developing and fully expanded foliage, lower surface: Close to 147B; venation, close to 146B to 146C. Petiole: Length: About 5 mm. Diameter: About 2.5 mm. Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: Close to 146A to 146B.

Flower description:

*Natural flowering season.*—Spring after sufficient cool period. If forced, plants typically flower about 25 days after a four-week cooling treatment; relatively rapid flowering response. Flowers persistent.

*Flower arrangement and appearance.*—Flowers arranged singly at terminals with usually about five to six flowers per apex; uniform and freely flowering habit. Flowers face upward or outward.

*Flower appearance.*—Flowers rotate and rose-like; double flower form with two outer whorls of petals and an inner whorl of petaloids (transformed stamens).

*Postproduction longevity.*—Excellent postproduction longevity; under interior conditions, plants maintain good flower substance for about five weeks.

*Fragrance.*—None detected.

*Flower diameter.*—About 7.4 cm.

*Flower depth.*—About 2.4 cm.

*Flower bud (before showing color).*—Length: About 1.3 cm. Diameter: About 7.5 mm. Shape: Ovoid. Color: Close to 146A to 146B.

*Petals/petaloids.*—Arrangement: Double flower form; two outer whorls of petals each with about five imbricate petals and a single whorl of five imbricate petaloids (transformed stamens); petals and petaloids fused at the base. Flowers appear full and rose-like. Petaloids variable in size and shape. Outer whorl of petals: Length: About 3.5 cm. Width: About 2.9 cm.

Inner whorl of petals: Length: About 3.1 cm. Width: About 2.3 cm. Petaloids: Length: About 2.9 cm. Width: About 2 cm. Shape, petals and petaloids: Beyond fused base, roughly spatulate with acute to broadly acute apex. Margin, petals and petaloids. Entire; undulate; somewhat ruffled. Texture, petals and petaloids, upper and lower surfaces: Smooth, glabrous; velvety. Color, petals and petaloids: When opening and fully opened, upper surface: Initially 78A, then becoming closer to 77B with development. When opening and fully opened, lower surface: Close to 77B.

*Sepals*.—Arrangement: Five in a single whorl, fused; subtending the petals. Length: About 6 mm. Width: About 5 mm. Shape: Deltoid to ovate. Apex: Acute. Base: Fused. Texture, upper and lower surfaces: Pubescent. Color, upper surface: Close to 144A. Color, lower surface: Between 144A and 146A.

*Peduncles*.—Length: About 2.1 cm. Diameter: About 2 mm. Angle: Mostly upright. Strength: Flexible; strong. Texture: Very pubescent. Color: Close to 144A.

*Reproductive organs*.—Androecium: None observed, typically all stamens transformed into petaloids. Gynoecium: Quantity of pistils per flower: Typically one. Pistil length: About 2 cm. Style length: About 1.6 cm. Style color: Close to 63A to 63B. Stigma shape: Rounded. Stigma diameter: About 1 mm. Stigma color: Close to 144A. Ovary color: Close to 146A; heavily whiskered.

*Seed/fruit*.—Seed and fruit development have not been observed.

Weather/temperature tolerance: Plants of the new *Azalea* have been observed to be very tolerant to rain and wind. Plants of the new *Azalea* have been observed to tolerate temperatures from about 0° C. to about 38° C.

Disease/pest resistance: Plants have not been observed to be resistant to pathogens and pests common to *Azaleas*.

It is claimed:

1. A new and distinct cultivar of *Azalea* plant named 'Provence' as illustrated and described.

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