



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

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(54) **ALSTROEMERIA PLANT NAMED**  
**'ZAPRILIAN'**

(50) Latin Name: *Alstroemeria hybrida*  
Varietal Denomination: **Zaprilian**

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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 *Alstroemeria* plant named  
'Zaprilian', characterized by its compact, upright, somewhat  
outwardly spreading and mounded plant habit; vigorous  
growth habit; light purple-colored flowers; and good con-  
tainer and garden performance.

**1 Drawing Sheet**

**1**

Botanical designation: *Alstroemeria hybrida*.  
Cultivar denomination: 'ZAPRILIAN'.

#### BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar  
of *Alstroemeria* plant, botanically known as *Alstroemeria*  
*hybrida*, commercially used as a garden-type *Alstroemeria*  
plant, and hereinafter referred to by the name 'Zaprilian'.

The new *Alstroemeria* plant is a product of a planned  
breeding program conducted by the Inventor in Rijsenhout,  
The Netherlands. The objective of the breeding program is to  
create new garden-type *Alstroemeria* cultivars with uniform  
plant habit, freely flowering habit, attractive foliage and  
flower coloration and excellent garden performance.

The new *Alstroemeria* plant originated from a cross-pollina-  
tion made by the Inventor in Rijsenhout, The Netherlands  
in June, 2004, of a proprietary *Alstroemeria hybrida* selection  
identified as code number 116-1, not patented, as the female,  
or seed, parent with a proprietary *Alstroemeria hybrida* selec-  
tion identified as code number 86679-1, not patented, as the  
male, or pollen, parent. The new *Alstroemeria* plant was  
discovered and selected by the Inventor as a single flowering  
plant from within the progeny of the stated cross-pollination  
in a controlled greenhouse environment in Rijsenhout, The  
Netherlands in June, 2005.

Asexual reproduction of the new *Alstroemeria* plant by  
rhizome divisions in a controlled greenhouse environment in  
Rijsenhout, The Netherlands since September, 2005, has  
shown that the unique features of this new *Alstroemeria* plant  
are stable and reproduced true to type in successive genera-  
tions.

#### SUMMARY OF THE INVENTION

Plants of the new *Alstroemeria* have not been observed  
under all possible environmental conditions. The phenotype  
may vary somewhat with variations in environment and cul-  
tural practices such as temperature and light intensity with-  
out, however, any variance in genotype.

The following traits have been repeatedly observed and are  
determined to be the unique characteristics of 'Zaprilian'.

**2**

These characteristics in combination distinguish 'Zaprilian'  
as a new and distinct cultivar of *Alstroemeria*:

1. Compact, upright, somewhat outwardly spreading and  
mounded plant habit.
2. Vigorous growth habit.
3. Light purple-colored flowers.
4. Good container and garden performance.

Plants of the new *Alstroemeria* differ primarily from plants  
of the female parent selection in flower color as plants of the  
female parent selection have dark purple-colored flowers.

Plants of the new *Alstroemeria* differ primarily from plants  
of the male parent selection in flower color as plants of the  
male parent selection have red orange-colored flowers. In  
addition, plants of the new *Alstroemeria* are more compact  
than plants of the male parent selection.

Plants of the new *Alstroemeria* can be compared to plants  
of *Alstroemeria hybrida* 'Zaprijul', disclosed in U.S. Plant  
Pat. No. 16,039. In side-by-side comparisons conducted in  
Rijsenhout, The Netherlands, plants of the new *Alstroemeria*  
differed primarily from plants of 'Zaprijul' in flower color as  
plants of 'Zaprijul' had flowers that are purple and violet  
bi-colored.

#### BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the over-  
all appearance of the new *Alstroemeria* plant, showing the  
colors as true as it is reasonably possible to obtain in colored  
reproductions of this type. Colors in the photograph may  
differ slightly from the color values cited in the detailed  
botanical description which accurately describe the colors of  
the new *Alstroemeria* plant. The photograph comprises a side  
perspective view of a typical flowering plant of 'Zaprilian'  
grown in a container.

#### DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observa-  
tions and measurements describe plants of the new *Alstro-*  
*emeria* grown during the late summer in 14-cm containers in  
a glass-covered greenhouse in Rijsenhout, The Netherlands.  
During the production of the plants, day temperatures ranged



from 15° C. to 25° C., night temperatures ranged from 10° C. to 15° C. and light levels averaged 5,000 lux. Plants were six months old when the photograph and the description were taken. 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: *Alstroemeria hybrida* 'Zaprilian'.

Parentage:

*Female, or seed, parent.*—Proprietary *Alstroemeria hybrida* selection identified as code number 116-1, not patented.

*Male or pollen parent.*—Proprietary *Alstroemeria hybrida* selection identified as code number 86679-1, not patented.

Propagation:

*Type.*—By tissue culture.

*Time to produce a rooted young plant, summer.*—About 40 days.

*Time to produce a rooted young plant, winter.*—About 60 days.

*Root description.*—Fibrous, fleshy, thick; close to 155D in color.

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

*Rhizomes.*—Shape: Elongate; rounded. Length: About 10 cm to 30 cm. Diameter: About 3 mm to 10 mm. Texture: Smooth. Color: Close to 155D.

Plant description:

*Plant and growth habit.*—Compact, upright, somewhat outwardly spreading and mounding plant habit; freely branching habit, bushy appearance; vigorous growth habit.

*Plant height.*—About 20 cm to 25 cm.

*Plant diameter (spread).*—About 25 cm to 30 cm.

Lateral branch description:

*Aspect.*—Mostly upright.

*Length.*—About 8 cm to 16 cm.

*Diameter.*—About 3 mm to 5 mm.

*Internode length.*—About 3 mm to 15 mm.

*Strength.*—Strong.

*Texture.*—Smooth, glabrous.

*Color.*—Close to 147D.

Foliage description:

*Appearance.*—Leaves asymmetrical; sessile.

*Length.*—About 5.6 cm to 7.9 cm.

*Width.*—About 1.2 cm to 2.3 cm.

*Shape.*—Lanceolate.

*Apex.*—Acute.

*Base.*—Cuneate.

*Margin.*—Entire, undulate.

*Texture, upper and lower surfaces.*—Smooth, glabrous.

*Venation pattern.*—Parallel.

*Color.*—Developing and fully expanded leaves, upper surface: Close to 137A; venation, close to 141D. Developing and fully expanded leaves, lower surface: Close to 137B; venation, close to 137D.

Flower description:

*Flower type and habit.*—Single cup-shaped flowers arranged in compound umbels; flowers face mostly outwardly; perianth segments separate; freely flowering habit with potentially 25 flowers per inflorescence.

*Natural flowering season.*—Flowering continuous during the spring in The Netherlands.

*Fragrance.*—None detected.

*Flower longevity on the plant.*—About four weeks; flowers not persistent.

*Flower buds.*—Length: About 3.4 cm to 3.7 cm. Diameter: About 1.3 cm to 1.5 cm. Shape: Roughly ovoid.

*Color:* Close to 71A.

*Umbel height.*—About 8 cm to 10.5 cm.

*Umbel diameter.*—About 11 cm.

*Flower diameter.*—About 5.5 cm.

*Flower length (height).*—About 5.1 cm.

*Flower depth:* About 5 cm to 5.3 cm.

*Perianth.*—Arrangement: Six arranged in two whorls, each whorl with two lateral and one median segments. Inner perianth, lateral segments: Length: About 4.8 cm to 5.5 cm. Width: About 1.8 cm to 2.1 cm. Shape: Oblanceolate. Apex: Wishbone. Base: Attenuate. Margin: Entire; weakly undulate. Texture, upper and lower surfaces: Smooth, glabrous. Color, when opening and fully opened, upper surface: Close to 78A to 78B; towards the base, close to 12C. Color, when opening and fully opened, lower surface: Close to 78B. Inner perianth, median segment: Length: About 4.4 cm to 5 cm. Width: About 1.8 cm to 2.2 cm. Shape: Oblanceolate. Apex: Wishbone. Base: Attenuate. Margin: Entire; weakly undulate. Texture, upper and lower surfaces: Smooth, glabrous. Color, when opening and fully opened, upper surface: Close to 78A to 78B. Color, when opening and fully opened, lower surface: Close to 78B. Outer perianth, lateral segments: Length: About 4.8 cm to 5.5 cm. Width: About 3.1 cm to 3.6 cm. Shape: Obovate. Apex: Embedded pointed. Base: Attenuate. Margin: Entire; slightly undulate. Texture, upper and lower surfaces: Smooth, glabrous. Color, when opening and fully opened, upper surface: Close to 78A to 78B. Color, when opening and fully opened, lower surface: Close to 78B. Outer perianth, median segment: Length: About 4.6 cm to 5.2 cm. Width: About 3.1 cm to 3.6 cm. Shape: Obovate. Apex: Embedded pointed. Base: Attenuate. Margin: Entire; slightly undulate. Texture, upper and lower surfaces: Smooth, glabrous. Color, when opening and fully opened, upper surface: Close to 78A to 78B. Color, when opening and fully opened, lower surface: Close to 78B.

*Pedicels.*—Length: About 1.1 to 1.5 cm. Diameter: About 1 mm to 2 mm. Strength: Strong. Angle: About 20° to about 30° from vertical. Texture: Smooth, glabrous. Color: Close to 147D.

*Reproductive organs.*—Stamens: Quantity per flower: Six. Anther shape: Elliptical. Anther length: About 7 mm to 8 mm. Anther diameter: About 2 mm. Anther color: Close to 152B. Pollen amount: Scarce. Pollen color: Close to 152B. Pistils: Quantity per flower: One. Style length: About 1.5 cm to 3 cm. Style color: Close to 77A. Stigma shape: Three-parted. Stigma color: Close to 77A. Ovary color: Close to 146B.

*Fruit/seed.*—Fruit and seed development have not been observed.

Disease/pest resistance: Plants of the new *Alstroemeria* have not been observed to be resistant to pathogens and pests common to *Alstroemeria*.

Garden performance: Plants of the new *Alstroemeria* have been observed to have good garden performance and to tolerate wind, rain and temperatures from about -5° C. to about 40° C.

It is claimed:

1. A new and distinct *Alstroemeria* plant named 'Zaprilian' as illustrated and described.



