

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

(10) **Patent No.:** **US PP21,011 P2**
(45) **Date of Patent:** **May 25, 2010**

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

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

(75) Inventor: **Henricus Cornelius Maria Jacobs,**
Rijnsenhout (NL)

(73) Assignee: **Van Zanten Plants b.v.,** Hillegom (NL)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **12/321,737**

(22) Filed: **Jan. 23, 2009**

(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./309**

(58) **Field of Classification Search** **Plt./309**
See application file for complete search history.

Primary Examiner—Susan B McCormick Ewoldt

(74) *Attorney, Agent, or Firm*—C. A. Whealy

(57) **ABSTRACT**

A new and distinct cultivar of *Alstroemeria* plant named
'Zaprilou', characterized by its upright, somewhat outwardly
spreading and mounded plant habit; vigorous growth habit;
red purple-colored flowers; and good garden performance.

1 Drawing Sheet

1

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

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 'Zaprilou'.

The new *Alstroemeria* plant is a product of a planned
breeding program conducted by the Inventor in Rijnsenhout,
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 Rijnsenhout, The Netherlands
in June, 2002, of a proprietary *Alstroemeria hybrida* selection
identified as code number 88-1240-02, not patented, as the
female, or seed, parent with a proprietary *Alstroemeria*
hybrida selection identified as code number 87-1069-02, 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 Rijnsen-
hout, The Netherlands in May, 2003.

Asexual reproduction of the new *Alstroemeria* plant by
rhizome divisions in a controlled greenhouse environment in
Rijnsenhout, The Netherlands since September, 2003, 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 'Zaprilou'.

2

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

1. Upright, somewhat outwardly spreading and mounded
plant habit.
2. Vigorous growth habit.
3. Red purple-colored flowers.
4. Good 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 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 yellow-colored flowers. In addi-
tion, 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* 'Staprioxa', disclosed in U.S. Plant
Pat. No. 14,075. In side-by-side comparisons conducted in
Rijnsenhout, The Netherlands, plants of the new *Alstroemeria*
differed primarily from plants of 'Staprioxa' in flower color as
plants of 'Staprioxa' had flowers that are more red purple in
color.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the over-
all appearance of the new *Alstroemeria*, showing the colors as
true as it is reasonably possible to obtain in colored reproduc-
tions of this type. Colors in the photograph may differ slightly
from the color values cited in the detailed botanical descrip-
tion which accurately describe the colors of the new *Alstro-*
emeria.

The photograph comprises a side perspective view of a
typical flowering plant of 'Zaprilou' 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 summer in 14-cm containers in a
glass-covered greenhouse in Rijnsenhout, The Netherlands.
During the production of the plants, day temperatures ranged

from 15° C. to 25° C. and night temperatures ranged from 10° C. to 15° C. Plants used for the photograph and description had been growing for six months. In the following description, color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general 5 terms of ordinary dictionary significance are used.

Botanical classification: *Alstroemeria hybrida* 'Zaprilou'.

Parentage:

Female, or seed, parent.—Proprietary *Alstroemeria hybrida* selection identified as code number 88-1240- 10 02, not patented.

Male or pollen parent.—Proprietary *Alstroemeria hybrida* selection identified as code number 88-1069- 02, not patented.

Propagation: 15

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. 20

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. 25 Texture: Smooth. Color: Close to 155D.

Plant description:

Plant and growth habit.—Upright, somewhat outwardly spreading and mounding plant habit; freely branching habit, bushy appearance; vigorous growth habit. 30

Plant height.—About 16 cm to 28 cm.

Plant diameter (spread): About 25 cm.

Lateral branch description:

Aspect.—Mostly upright. 35

Length.—About 7 cm to 16 cm.

Diameter.—About 3 mm to 5 mm.

Internode length.—About 2 mm to 15 mm.

Strength.—Strong.

Texture.—Smooth, glabrous. 40

Color.—Close to 145B; occasional spots, close to 187A.

Foliage description:

Appearance.—Leaves asymmetrical; sessile.

Length.—About 6.1 cm to 9.4 cm.

Width.—About 1.6 cm to 2.4 cm. 45

Shape.—Lanceolate.

Apex.—Acute.

Base.—Attenuate.

Margin.—Entire; slightly undulate.

Texture, upper and lower surfaces.—Smooth, glabrous. 50

Venation pattern.—Parallel.

Color.—Developing and fully developed leaves, upper surface: Close to 147A; venation, close to 147A.

Developing and fully developed leaves, lower surface: Close to 147B; venation, close to 147B. 55

Flower description:

Flower type and habit.—Single cup-shaped flowers arranged in compound umbels; flowers face mostly outwardly; perianth segments separate; freely flowering habit. 60

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

Fragrance.—None detected.

Flower longevity on the plant.—About four weeks; 65 flowers not persistent.

Flower longevity as a cut flower.—About 12 to 16 days; flowers not persistent.

Flower buds.—Length: About 3.5 cm to 4 cm. Diameter: About 1 cm to 1.5 cm. Shape: Roughly ovoid. Color: Close to 59A.

Umbel height.—About 9.5 cm to 12 cm.

Umbel diameter.—About 13.5 cm to 14.5 cm.

Number of flowers per umbel.—Potentially, about 25.

Flower diameter.—About 5.5 cm to 6 cm.

Flower length (height).—About 5.5 cm to 6 cm.

Flower depth.—About 5.5 cm to 6 cm.

Perianth.—Arrangement: Six arranged in two whorls, each whorl with two lateral and one median segments. Outer perianth, lateral segments: Length: About 4.8 cm to 5.6 cm. Width: About 3.3 cm to 3.7 cm. Shape: Obovate. Apex: Embedded pointed. Base: Attenuate. Margin: Entire; weakly undulate. Texture, upper and lower surfaces: Smooth, glabrous. Color, when opening and fully opened, upper surface: Close to 70A; at the apex, greenish overtones; stripes, close to 183A. Color, when opening and fully opened, lower surface: Close to 70A; at the apex and venation, faint greenish overtones. Outer perianth, median segment: Length: About 5.1 cm to 5.6 cm. Width: About 3.4 cm to 4.1 cm. Shape: Obovate. Apex: Embedded pointed. Base: Attenuate. Margin: Entire; weakly undulate. Texture, upper and lower surfaces: Smooth, glabrous. Color, when opening and fully opened, upper surface: Close to 70A; at the apex, greenish overtones; stripes, close to 183A. Color, when opening and fully opened, lower surface: Close to 70A; at the apex and venation, faint greenish overtones. Inner perianth, lateral segments: Length: About 5.2 cm to 5.9 cm. Width: About 2.1 cm to 2.3 cm. Shape: Oblanceolate. Apex: Wishbone-shaped. Base: Attenuate. Margin: Entire; weakly undulate. Texture, upper and lower surfaces: Smooth, glabrous. Color, when opening and fully opened, upper surface: Close to 70A; central blotch, close to 11A; stripes, close to 183A. Color, when opening and fully opened, lower surface: Close to 70A; venation, greenish overtones; stripes, close to 183A. Inner perianth, median segment: Length: About 4 cm to 5.1 cm. Width: About 2 cm to 2.4 cm. Shape: Obovate. Apex: Wishbone-shaped. Base: Attenuate. Margin: Entire; weakly undulate. Texture, upper and lower surfaces: Smooth, glabrous. Color, when opening and fully opened, upper surface: Close to 70A; stripes, close to 183A. Color, when opening and fully opened, lower surface: Close to 70A; 32B; venation, greenish overtones; stripes, close to 183A.

Peduncles.—Length: About 1.5 to 4.5 cm. Diameter: About 2 mm to 3 mm. Strength: Strong. Angle: Erect to about 20° from vertical. Texture: Smooth, glabrous. Color: Close to 146A with occasional spots, close to 187A.

Reproductive organs.—Stamens: Quantity per flower: Six. Anther shape: Elliptical. Anther size: About 5 mm by 7 mm. Anther color: Close to 187B. Pollen amount: Scarce. Pollen color: Close to 200A. Pistils: Quantity per flower: One. Style length: About 2 cm to 4 cm. Style color: Close to 70B. Stigma shape: Three-parted. Stigma color: Close to 70B. Ovary color: Close to 146B tinted with close to 187A.

Fruit/seed.—Fruit and seed development has 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 ‘Zaprilou’ as illustrated and described.

* * * * *

