



US00PP24203P2

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

(10) **Patent No.:** **US PP24,203 P2**  
(45) **Date of Patent:** **Jan. 28, 2014**

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

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

(75) Inventor: **Henricus Cornelius Maria Jacobs,**  
Rijsenhout (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 92 days.

(21) Appl. No.: **13/385,871**

(22) Filed: **Mar. 10, 2012**

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

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

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

*Primary Examiner* — Susan McCormick Ewoldt

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

(57) **ABSTRACT**

A new and distinct cultivar of *Alstroemeria* plant named  
'Zalsareno', characterized by its erect and strong flowering  
stems; vigorous growth habit; purple and pale yellow-colored  
flowers; and excellent postproduction longevity.

**1 Drawing Sheet**

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

**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 cut flower *Alstroemeria*, and  
hereinafter referred to by the name 'Zalsareno'.

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 cut flower *Alstroemeria* plants with desirable  
flower and plant qualities, attractive flower coloration and  
excellent postproduction longevity.

The new *Alstroemeria* plant originated from a cross-pollin-  
ation made by the Inventor in Rijsenhout, The Netherlands  
in June, 2006 of a proprietary *Alstroemeria hybrida* selection  
identified as code number 2Z171-1, not patented, as the  
female, or seed, parent with a proprietary *Alstroemeria*  
*hybrida* selection identified as code number 871069-2, 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 Rijsen-  
hout, The Netherlands in July, 2007.

Asexual reproduction of the new *Alstroemeria* plant by  
rhizome divisions in a controlled greenhouse environment in  
Rijsenhout, The Netherlands since September, 2007 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 and cultural  
practices. The phenotype may vary somewhat with variations  
in environmental conditions such as temperature and light  
intensity without, however, any variance in genotype.

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

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These characteristics in combination distinguish 'Zalsareno'  
as a new and distinct *Alstroemeria* plant:

1. Erect and strong flowering stems.
2. Vigorous growth habit.
3. Purple and pale yellow-colored flowers.
4. Excellent postproduction longevity.

Plants of the new *Alstroemeria* can be compared to plants  
of the parent selections. Plants of the new *Alstroemeria* differ  
from plants of the parent selections primarily in flower color  
as plants of the female parent selection have dark purple-  
colored flowers and plants of the male parent selection have  
yellow-colored flowers.

Plants of the new *Alstroemeria* can be compared to plants  
of *Alstroemeria hybrida* 'Stabec', disclosed in U.S. Plant Pat.  
No. 9,041. In side-by-side comparisons conducted in Rijsen-  
hout, The Netherlands, plants of the new *Alstroemeria* dif-  
fered primarily from plants of 'Stabec' in flower color as  
plants of 'Stabec' had light red to deep pink-colored flowers.

**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 close-up view of a typical  
flowering stem of 'Zalsareno'.

**DETAILED BOTANICAL DESCRIPTION**

The aforementioned photograph and following observa-  
tions and measurements describe plants of the new *Alstro-*  
*emeria* grown during the late summer and early autumn in  
ground beds 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 tempera-  
tures ranged from 10° C. to 15° C., soil temperatures averaged  
15° C. and light levels averaged 5,000 lux. Plants were one  
year old when the photograph and description were taken. In

the following description, color references are made to The Royal Horticultural Society Colour Chart, 2007 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Alstroemeria hybrida* 'Zalsareno'. 5

Parentage:

*Female, or seed, parent.*—Proprietary *Alstroemeria hybrida* selection identified as code number 2Z171-1, not patented.

*Male, or pollen, parent.*—Proprietary *Alstroemeria hybrida* selection identified as code number 871069-2, not patented. 10

Propagation:

*Type.*—In vitro rhizogenesis.

*Time to produce a rooted young plant, summer.*—About 40 days at 16° C. to 25° C. 15

*Time to produce a rooted young plant, winter.*—About 60 days at 16° C. to 20° C.

*Root description.*—Fibrous, fleshy, thick; color, close to 155D. 20

*Rooting habit.*—Freely branching; medium density.

*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: 25

*Plant and growth habit.*—Upright; freely branching, bushy appearance; vigorous growth habit.

*Plant height.*—About 125 cm to 146 cm.

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

Flowering stem description: 30

*Aspect.*—Erect. 30

*Length.*—About 110 cm to 130 cm.

*Diameter.*—About 6 mm to 8 mm.

*Internode length.*—About 0.5 cm to 12 cm.

*Strength.*—Strong.

*Texture.*—Smooth, glabrous. 35

*Color.*—Close to 144B.

Foliage description:

*Appearance.*—Leaves asymmetrical; sessile.

*Length.*—About 17.4 cm to 21.4 cm.

*Width.*—About 3.8 cm to 4.8 cm. 40

*Shape.*—Lanceolate.

*Apex.*—Acute.

*Base.*—Cuneate.

*Margin.*—Entire; slightly undulate.

*Texture, upper and lower surfaces.*—Smooth, glabrous. 45

*Venation pattern.*—Parallel.

*Color.*—Developing and fully developed leaves, upper surface: Close to 137A; venation, close to 139C. Developing and fully developed leaves, lower surface: Close to 137B; venation, close to 146C. 50

Flower description: 50

*Flower type and habit.*—Single cup-shaped flowers arranged in compound umbels; flowers face mostly outwardly; perianth segments separate; freely flowering habit, about seven to eleven flowers developing per flowering stem. 55

*Natural flowering season.*—Flowering continuous during the spring in The Netherlands; plants begin flowering about 80 to 90 days after planting.

*Fragrance.*—Not detected.

*Flower longevity on the plant.*—About four weeks; flowers not persistent. 60

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

*Flower buds (showing color).*—Length: About 3.5 cm to 4.5 cm. Diameter: About 1.2 cm to 1.5 cm. Shape: 5

Roughly ovoid. Color: Close to 61A.

*Umbel height.*—About 12.5 cm to 16 cm.

*Umbel diameter.*—About 15 cm to 18 cm.

*Flower diameter.*—About 6 cm by 6.5 cm.

*Flower depth.*—About 7 cm to 7.5 cm.

*Perianth.*—Arrangement: Six arranged in two whorls, each whorl with two lateral and one median segments.

Outer perianth, lateral segments: Length: About 5.8

cm to 6.1 cm. Width: About 3.4 cm to 3.9 cm. Shape:

Obovate. Apex: Embedded pointed. Base: Attenuate.

Margin: Entire; undulate. Texture, upper and lower

surfaces: Smooth, glabrous. Color, when opening and

fully opened, upper surface: Close to 72A. Color, when

opening and fully opened, lower surface: Close to

72A. Outer perianth, median segment: Length: About

5.8 cm to 6.4 cm. Width: About 3.4 cm to 3.8 cm.

Shape: Obovate. Apex: Embedded pointed. Base:

Attenuate. Margin: Entire; undulate. Texture, upper

and lower surfaces: Smooth, glabrous. Color, when

opening and fully opened, upper surface: Close to

72A. Color, when opening and fully opened, lower

surface: Close to 72A. Inner perianth, lateral seg-

ments: Length: About 6 cm to 6.3 cm. Width: About

1.8 cm to 2 cm. Shape: Elliptical. Apex: Wishbone-

shaped. Base: Attenuate. Margin: Entire; undulate.

Texture, upper and lower surfaces: Smooth, glabrous.

Color, when opening and fully opened, upper surface:

Close to 70C; towards the base, close to 4B; at the

base, close to 14B; stripes, close to 183A. Color, when

opening and fully opened, lower surface: Close to

70C; towards the base, close to 4B; at the base, close

to 14B; stripes, close to 183A. Inner perianth, median

segment: Length: About 5.3 cm to 5.7 cm. Width:

About 1.8 cm to 2 cm. Shape: Elliptical. Apex: Wish-

bone-shaped. Base: Attenuate. Margin: Entire; undu-

late. Texture, upper and lower surfaces: Smooth, gla-

brous. Color, when opening and fully opened, upper

surface: Close to 72A; stripes, close to 183A. Color,

when opening and fully opened, lower surface: Close

to 72A; stripes, close to 183A.

*Pedicels.*—Length: About 1 cm to 8.5 cm. Diameter:

About 2 mm to 3 mm. Strength: Strong. Angle: About

20° from vertical. Texture: Smooth, glabrous. Color,

upper and lower surfaces: Close to 144A.

*Reproductive organs.*—Stamens: Quantity per flower:

Six. Anther shape: Elliptical. Anther length: About 9

mm to 10 mm. Anther color: Close to 178A. Pollen

amount: Scarce to moderate. Pollen color: Close to

199A. Pistils: Quantity per flower: One. Style length:

About 3 cm to 3.5 cm. Style color: Close to 64A.

Stigma color: Close to 64A. Ovary color: Close to

144A.

*Seeds and fruits.*—Seed and fruit development has not

been observed on plants of the new *Alstroemeria*.

Disease & pest resistance: Plants of the new *Alstroemeria* have not been observed to be resistant to pathogens and pests common to *Alstroemeria* plants. 55

Temperature tolerance: Plants of the new *Alstroemeria* have been observed to tolerate temperatures from about 0° C. to about 40° C.

It is claimed:

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

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