

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

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(54) **ALSTROEMERIA PLANT NAMED**
'ZALSAFRO'
(50) Latin Name: *Alstroemeria hybrida*
Varietal Denomination: **Zalsafro**
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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
'Zalsafro', characterized by its erect and strong flowering
stems; vigorous growth habit; white-colored flowers with red
purple-colored stripes; and excellent postproduction longev-
ity.

1 Drawing Sheet

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

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 'Zalsafro'.

The new *Alstroemeria* is a product of a planned breeding
program conducted by the Inventor in Hillegom, The Neth-
erlands. The objective of the breeding program is to create
new cut flower *Alstroemeria* cultivars with desirable flower
and plant qualities, attractive foliage and flower coloration
and excellent postproduction longevity.

The new *Alstroemeria* originated from a cross-pollination
made by the Inventor in Hillegom, The Netherlands in May,
2000, of a proprietary *Alstroemeria hybrida* selection identi-
fied as code number 96438-1, not patented, as the female, or
seed, parent with a proprietary *Alstroemeria hybrida* selec-
tion identified as code number 96347-47APN, not patented,
as the male, or pollen, parent. The cultivar Zalsafro was
discovered and selected by the Inventor as a flowering plant
from within the progeny of the stated cross-pollination in a
controlled environment in Hillegom, The Netherlands in
June, 2001.

Asexual reproduction of the new *Alstroemeria* by root divi-
sions in a controlled environment in Hillegom, The Nether-
lands since September, 2001, has shown that the unique fea-
tures of this new *Alstroemeria* are stable and reproduced true
to type in successive generations.

SUMMARY OF THE INVENTION

The cultivar Zalsafro has not been observed under all pos-
sible environmental conditions. The phenotype may vary
somewhat with variations in environment and cultural prac-
tices such as temperature and light intensity without, how-
ever, any variance in genotype.

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

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

1. Erect and strong flowering stems.
2. Vigorous growth habit.
3. White-colored flowers with red purple-colored stripes.
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.

Plants of the new *Alstroemeria* can be compared to plants
of the *Alstroemeria hybrida* cultivar Virginia, disclosed in
U.S. Plant Pat. No. 11,331. In side-by-side comparisons con-
ducted in Rijnsenhout, The Netherlands, plants of the new
Alstroemeria differed from plants of the cultivar Virginia
primarily in flower color as plants of the cultivar Virginia did
not have stripes on the outer petal segments.

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 stem of 'Zalsafro'.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observa-
tions and measurements describe plants of the new *Alstro-*
emeria grown in Rijnsenhout, The Netherlands in a glass-
covered greenhouse in ground beds. During the production of
the plants, day temperatures ranged from 15° C. to 20° C.,
night temperatures ranged from 10° C. to 15° C. and light
levels averaged 5,000 lux. Plants used for the photograph and
description were about one year-old. The photograph and the
description were taken in the spring. 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* cultivar Zalsafro.

Parentage:

Female, or seed, parent.—Proprietary *Alstroemeria hybrida* selection identified as code number 96438-1, not patented. 5

Male or pollen parent.—Proprietary *Alstroemeria hybrida* selection identified as code number 96347-47APN, not patented.

Propagation: 10

Type.—By root divisions.

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

Time to produce a rooted young plant, winter.—About 60 days. 15

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 cm to 10 cm. Texture: Smooth. Color: Close to 155D. 20

Plant description:

Plant habit.—Upright; freely branching, bushy appearance. Vigorous growth habit. 25

Time from planting to harvest of cut flowers.—About 80 to 90 days.

Number of flowering stems produced per year.—About 220 to 260.

Plant height.—About 128 cm to 142 cm. 30

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

Flowering stem description:

Aspect.—Erect.

Length.—About 115 cm. 35

Diameter.—About 6 mm to 10 mm.

Internode length.—About 1 cm to 5 cm.

Strength.—Strong.

Texture.—Glabrous.

Color.—Close to 146C. 40

Foliage description:

Appearance.—Leaves asymmetrical; sessile.

Length.—About 14.8 cm to 17.3 cm.

Width.—About 2.9 cm to 3.8 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 foliage, upper surface: Close to 137A; venation, similar to lamina. Developing and fully developed foliage, lower surface: Close to 137B; venation, similar to lamina. 55

Flower description:

Flower type and habit.—Single cup-shaped flowers arranged in compound umbels. Flowers face mostly outwardly. Perianth segments separate. Freely and continuously flowering. Flowers not persistent. 60

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

Fragrance.—None detected.

Flower longevity on the plant.—About four weeks. 65

Flower longevity as a cut flower.—About 12 to 16 days.

Flower buds (showing color).—Length: About 3 cm to 4 cm. Diameter: About 1.5 cm to 2 cm. Shape: Roughly ovoid. Color: Close to 144B; towards the apex, tinted with 60C.

Umbel height.—About 15 cm to 20 cm.

Umbel diameter.—About 20 cm to 25 cm.

Number of flowers per umbel.—About 20 to 25.

Flower diameter.—About 6.5 cm to 7.5 cm.

Flower length (height).—About 6.5 cm to 7.5 cm.

Flower depth.—About 7.5 cm to 8.5 cm.

Perianth.—Arrangement: Six arranged in two whorls, each whorl with two lateral and one median segments. Size, outer perianth: Length, lateral segments: About 6.5 cm to 7.4 cm. Width, lateral segments: About 3.7 cm to 4 cm. Length, median segment: About 7.5 cm to 8.5 cm. Width, median segment: About 3.8 cm to 4.2 cm. Size, inner perianth: Length, lateral segments: About 7.5 cm to 8.5 cm. Width, lateral segments: About 1.8 cm to 2.2 cm. Length, median segment: About 6.5 cm to 7.5 cm. Width, median segment: About 1.8 cm to 2.2 cm. Shape, outer perianth, lateral and median segments: Obovate. Shape, inner perianth, lateral and median segments: Oblanceolate. Apex, outer perianth, lateral and median segments: Embedded pointed. Apex, inner perianth, lateral and median segments: Acute. Base, outer and inner perianths, lateral and median segments: Attenuate. Margin, outer and inner perianths, lateral and median segments: Entire; weakly undulate. Texture, outer and inner perianths, lateral and median segments: Smooth, glabrous. Color, outer perianth: When opening and fully opened, lateral and median segments, upper surface: Close to 155C; apex, greenish overtones; stripes, close to 59A. When opening and fully opened, lateral segments, lower surface: Close to 155C; apex and venation, greenish overtones. When opening and fully opened, median segment, lower surface: Close to 155C; towards the base, close to 65C; apex and venation, greenish overtones. Color, inner perianth: When opening and fully opened, lateral segments, upper surface: Close to 155C; central spot, close to 6C; stripes, close to 59A; apex, greenish overtones. When opening and fully opened, lateral segments, lower surface: Close to 155C; main vein, greenish overtones. When opening and fully opened, median segments, upper surface: Towards the apex, close to 155C; stripes, close to 59A; apex, greenish overtones. When opening and fully opened, lateral segments, lower surface: Close to 155C; main vein, greenish overtones.

Peduncles.—Length: About 4.5 cm to 9.8 cm. Diameter: About 2 mm to 4 mm. Strength: Strong. Angle: Erect to about 20° C. from vertical. Texture: Smooth, glabrous. Color: Close to 146C.

Reproductive organs.—Stamens: Quantity per flower: Six. Filament length: About 3.8 cm. Filament color: Close to 158D. Anther shape: Elliptical. Anther length: About 7 mm. Anther diameter: About 3 mm. Anther color: Close to 199A. Pollen amount: Moderate. Pollen color: Close to 200A. Pistils: Quantity per flower: One. Style length: About 3.8 cm to 4.2 cm. Style color: Close to 158D. Stigma color: Close to 155D. Ovary color: Close to 146C.

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*.
Temperature tolerance: Plants of the new *Alstroemeria* have been observed to tolerate temperatures from about -5° C. 5 to about 40° C.

It is claimed:
1. A new and distinct *Alstroemeria* plant named ‘Zalsafro’ as illustrated and described.

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