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**Hoogendoorn**

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

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

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patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

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**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.

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP11,331 P \* 4/2000 Plevier ..... Plt./309

OTHER PUBLICATIONS

UPOV ROM 2006/04 Citation for 'Zalsabiri'.\*

\* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of *Alstroemeria* plant named  
'Zalsabin', characterized by its erect and strong flowering  
stems; vigorous growth habit; intense dark red-colored flow-  
ers; and excellent postproduction longevity.

**1 Drawing Sheet**

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

**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 'Zalsabin'.

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 April,  
2000, of a proprietary *Alstroemeria hybrida* selection iden-  
tified as code number 98-608-4, not patented, as the female,  
or seed, parent with a proprietary *Alstroemeria hybrida*  
selection identified as code number 99-634-3, not patented,  
as the male, or pollen, parent. The cultivar Zalsabin 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  
April, 2001.

Asexual reproduction of the new *Alstroemeria* by root  
divisions in a controlled environment in Hillegom, The  
Netherlands since August, 2001, has shown that the unique  
features of this new *Alstroemeria* are stable and reproduced  
true to type in successive generations.

**SUMMARY OF THE INVENTION**

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

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The following traits have been repeatedly observed and  
are determined to be the unique characteristics of 'Zalsabin'.  
These characteristics in combination distinguish 'Zalsabin'  
as a new and distinct cultivar of *Alstroemeria*:

1. Erect and strong flowering stems.
2. Vigorous growth habit.
3. Intense dark red-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 cultivars primarily in flower  
color and productivity.

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  
conducted in Hillegom, The Netherlands, plants of the new  
*Alstroemeria* differed from plants of the cultivar Virginia  
primarily in flower color as plants of the cultivar Virginia  
had white-colored flowers with numerous stripes.

**BRIEF DESCRIPTION OF THE PHOTOGRAPH**

The accompanying colored photograph illustrates the  
overall appearance of the new *Alstroemeria*, 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*. The photograph comprises a side  
perspective view of a typical flowering stem of 'Zalsabin'.

**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 during 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 Zalsabin.

Parentage:

*Female, or seed, parent.*—Proprietary *Alstroemeria hybrida* selection identified as code number 98-608-4, not patented.

*Male or pollen parent.*—Proprietary *Alstroemeria hybrida* selection identified as code number 99-634-3, not patented.

Propagation:

*Type.*—By root divisions.

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

*Rooting habit.*—Freely branching.

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

Plant description:

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

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

*Number of flowering stems produced per year.*—About 240 to 260.

*Plant height.*—About 90 cm to 140 cm.

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

Flowering stem description:

*Aspect.*—Erect.

*Length.*—About 1.2 meters.

*Diameter.*—About 8 mm to 10 mm.

*Internode length.*—About 2 cm to 9 cm.

*Strength.*—Strong.

*Texture.*—Glabrous.

*Color.*—Close to 137D.

Foliage description:

*Appearance.*—Leaves asymmetrical; sessile.

*Length.*—About 16 cm to 18 cm.

*Width.*—About 3.5 cm to 4.5 cm.

*Shape.*—Lanceolate.

*Apex.*—Acute.

*Base.*—Attenuate.

*Margin.*—Entire.

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

*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 137C; venation, similar to lamina.

Flower description:

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

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

*Fragrance.*—None detected.

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

*Flower longevity as a cut flower.*—About 20 to 25 days.

*Flower buds (showing color).*—Length: About 3 cm to 5 cm. Diameter: About 1 cm to 2 cm. Shape: Roughly ovoid. Color: Reddish.

*Umbel height.*—About 15 cm to 20 cm.

*Umbel diameter.*—About 20 cm to 25 cm.

*Number of flowers per umbel.*—About 15 to 25.

*Flower length (height).*—About 6 cm to 7 cm.

*Flower diameter.*—About 5 cm to 7 cm.

*Flower depth.*—About 6 cm to 8 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 cm to 7 cm. Width, lateral segments: About 3.5 cm to 4 cm. Length, median segment: About 6.5 cm to 7.5 cm. Width, median segment: About 3.5 cm to 4 cm. Size, inner perianth: Length, lateral segments: About 6.5 cm to 7 cm. Width, lateral segments: About 2 cm. Length, median segment: About 5 cm to 6 cm. Width, median segment: About 2 cm to 2.5 cm. Shape, outer perianth, lateral and median segments: Obovate. Shape, inner perianth, lateral and median segments: Oblanceolate. Apex, outer perianth, lateral and median segments: Emarginate. 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 segments, upper surface: 53A; apex, greenish. When opening and fully opened, lateral segments, lower surface: 53A; apex and venation, greenish. When opening and fully opened, median segment, upper surface: Close to 185B; apex, greenish. When opening and fully opened, median segment, lower surface: Close to 185B; apex and venation, greenish. Color, inner perianth: When opening and fully opened, lateral segments, upper surface: Towards the apex, 185B; center, close to 6A and 6D; towards the base, close to 185C; few stripes, purplish close to 187A. When opening and fully opened, lateral segments, lower surface: Close to 185B; center, 6A. When opening and fully opened, median segment, upper surface: Close to 185B. When opening and fully opened, median segment, lower surface: Close to 185B.

*Peduncles.*—Length: About 2.5 cm to 11 cm. Diameter: About 2 mm to 4 mm. Strength: Strong. Angle: About 15° to 20° from vertical. Texture: Smooth, glabrous. Color: Close to 137C.

*Reproductive organs.*—Stamens: Quantity per flower: Six. Anther shape: Elliptical. Anther length: About 9 mm. Anther diameter: About 3 mm. Anther color: Close to 166A. Pollen amount: Abundant. Pollen color: 202B. Pistils: Quantity per flower: One. Style length: About 4.5 cm to 5 cm. Style color: Red purple. Stigma color: Red purple. Ovary color: Close to 137C.

*Fruit.*—Shape: Globular. Color: Brownish.

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. to about 40° C.

It is claimed:

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



