

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

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(54) **GERANIUM PLANT NAMED ‘FISUM RED’**

(50) Latin Name: *Pelargonium×hortorum*
Varietal Denomination: **Fisum Red**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 17 days.

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(58) **Field of Search** **Plt./330**

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(57) **ABSTRACT**

A new and distinct cultivar of Zonal *Geranium* plant named ‘Fisum Red’, characterized by its upright and rounded plant habit; moderately vigorous growth habit; freely branching and flowering habit; red-colored flowers arranged in rounded umbels held above and beyond the foliage on moderately strong peduncles; and good garden performance.

1 Drawing Sheet

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Botanical classification/cultivar designation: *Pelargonium×hortorum* cultivar Fisum Red.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of Zonal *Geranium* plant, botanically known as *Pelargonium×hortorum*, and hereinafter referred to by the name ‘Fisum Red’.

The new Zonal *Geranium* is a product of a planned breeding program conducted by the Inventor in De Lier, The Netherlands. The objective of the breeding program was to develop new Zonal *Geraniums* with uniform plant habit and interesting flower and foliage colors.

The new Zonal *Geranium* originated from a cross-pollination made by the Inventor in 2000 of two unnamed proprietary selections of *Pelargonium×hortorum*, not patented. The cultivar Fisum Red was discovered and selected by the Inventor as a flowering plant within the progeny from this cross-pollination in a controlled environment in De Lier, The Netherlands.

Asexual reproduction of the new cultivar by terminal cuttings in a controlled environment in De Lier, The Netherlands since 2002 has shown that the unique features of this new Zonal *Geranium* are stable and reproduced true to type in successive generations of asexual reproduction.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and are determined to be the unique characteristics of ‘Fisum Red’. These characteristics in combination distinguish ‘Fisum Red’ as a new cultivar and distinguish it from other known Zonal *Geranium* cultivars (including the parental selections):

1. Upright and rounded plant habit.
2. Moderately vigorous growth habit.
3. Freely branching and flowering habit.
4. Red-colored flowers arranged in rounded umbels held above and beyond the foliage on moderately strong peduncles.
5. Good garden performance.

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Plants of the new Zonal *Geranium* can be compared to plants of the cultivar Isabell, disclosed in U.S. Plant Pat. No. 7,080. In side-by-side comparisons conducted in De Lier, The Netherlands, plants of the new Zonal *Geranium* differed from plants of the cultivar Isabell in the following characteristics:

1. Plants of the new Zonal *Geranium* were more freely branching than plants of the cultivar Isabell.
2. Leaves of plants of the new Zonal *Geranium* had a distinct zonation pattern whereas leaves of plants of the cultivar Isabell did not have a distinct zonation pattern.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the overall appearance of the new cultivar, showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Flower and foliage 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 Zonal *Geranium*. The photograph comprises a side perspective view of a typical flowering plant of ‘Fisum Red’ grown in a container.

DETAILED BOTANICAL DESCRIPTION

Plants of the cultivar Fisum Red have not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment, such as temperature and light intensity, without, however, any variance in genotype.

The aforementioned photograph, following observations, and averaged measurements describe plants grown during the spring in January in 12-cm pots in De Lier, The Netherlands, and grown under commercial practice in a glass-covered greenhouse with day temperatures ranging from 17 to 20° C., night temperatures ranging from 6 to 14° C., and light levels ranging from 10,000 to 50,000 lux. Plants used for the photograph and the detailed botanical description were about one year old. In the following description, color references are made to The Royal Horticultural Society Colour Chart, 2001 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Pelargonium×hortorum* cultivar Fisum Red.

Parentage:

Female parent.—Unnamed proprietary selection of *Pelargonium×hortorum*, not patented.

Male parent.—Unnamed proprietary selection of *Pelargonium×hortorum*, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—Summer: About 7 days at 21° C. Winter: About 10 days at 21° C.

Time to produce a rooted young plant.—Summer: About 18 to 22 days at 21° C. Winter: About 26 to 30 days at 21° C.

Root description.—Fine, freely branching; white in color.

Plant description:

General appearance.—Upright and rounded plant habit; uniform; densely foliated.

Growth and branching habit.—Moderately vigorous growth habit. Freely branching, about six lateral branches develop without pinching, that is, removal of terminal apices.

Plant height.—About 20 cm.

Plant width.—About 29 cm.

Lateral branches.—Length: About 4.6 cm. Diameter: About 6 mm. Internode length: About 1.6 cm. Texture: Densely pubescent. Strength: Moderately strong. Color: 143B to 143C.

Foliage description.—Arrangement: Alternate, simple. Length: About 7.6 cm. Width: About 8.8 cm. Shape: Orbicular to reniform. Apex: Rounded acute. Base: Cordate. Margin: Crenate; undulate. Venation pattern: Palmate. Texture, upper surface: Smooth, glabrous. Texture, lower surface: Densely pubescent. Color: Developing and fully expanded foliage, upper surface: 137A; towards the base, 143A; distinct zonation pattern, 147A. Developing and fully expanded foliage, lower surface: 137C. Venation, upper surface: 143A. Venation, lower surface: 143B to 143C. Petiole: Length: About 6.6 cm. Diameter: About 3 mm. Color, upper and lower surfaces: 143B.

Flower description:

Flower arrangement.—Red-colored, rotate and semi-double flowers arranged in rounded hemispherical umbels arising from apical leaf axils. Umbels displayed above the foliage on moderately strong peduncles. Flowers face upright to outwardly. Umbels persistent, flowers not persistent. Flowers slightly fragrant.

Quantity of flowers.—Freely flowering habit; at full flower, plants have at least about six open and developing umbels with about 30 flowers per umbel.

Flowering season.—Year-round under greenhouse conditions. In the garden, flowering is continuous from late spring until fall.

Flower longevity.—Flowers last about six days on the plant.

Umbel height.—About 6 cm.

Umbel diameter.—About 9.2 cm.

Flower diameter.—About 4.2 cm.

Flower depth (height).—About 1.8 cm.

Flower buds.—Length: About 1.3 cm. Diameter: About 7 mm. Shape: Broadly elliptic. Color: Towards the base, 144B; towards the apex, 44A to 44B.

Petals.—Quantity per flower: About five. Length: About 2.4 cm. Width: About 2 cm. Shape: Broadly obovate. Apex: Rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper surface: More intense than between N30A and 44A. When opening, lower surface: 40B. Fully opened, upper surface: 40A; color becoming closer to 42A with development. Fully opened, lower surface: 41B. Venation, upper and lower surfaces: Same as petal color.

Petaloids.—Quantity per flower: About two. Length: About 1.8 cm; irregular in size. Width: About 1.3 cm; irregular in size. Shape: Variable, roughly obovate. Apex: Mostly rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper and lower surfaces: More intense than between N30A and 44A. Fully opened, upper and lower surfaces: 40A. Venation, upper and lower surfaces: Same as petaloid color.

Sepals.—Quantity per flower: Five, arranged in a single whorl. Length: About 1 cm. Width: About 3 mm. Shape: Lanceolate. Apex: Acute. Base: Cuneate. Margin: Entire. Texture, upper surface: Smooth, glabrous. Texture, lower surface: Densely pubescent. Color, upper and lower surfaces: 144A to 144B.

Peduncle (umbel stem).—Length: About 14.5 cm. Diameter: About 4 mm. Angle: About 15° from vertical. Strength: Moderately strong. Texture: Pubescent. Color: 144A.

Pedice (individual flower stem).—Length: About 2.9 cm. Diameter: About 2 mm. Angle: About 10° from vertical. Strength: Moderately strong. Texture: Pubescent. Color: 144A to 144B.

Reproductive organs.—Androecium: Anther quantity per flower: About three to five. Anther length: About 2 mm. Anther shape: Narrowly oblong. Anther color: 182B. Filament length: About 6 mm. Filament color: N155A; towards the apex, 47C to 48B. Pollen amount: Moderate. Pollen color: N172A to N172B. Gynoecium: Pistil quantity per flower: One. Pistil length: About 3 mm. Stigma shape: Terete; reflexed. Stigma color: 51A. Style length: About 2 mm. Style color: 51A. Ovary color: 138B.

Seed/fruit.—Seed and fruit development has not been observed.

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

Garden performance: Plants of the new *Zonal Geranium* have been observed to tolerate rain, wind, and temperatures ranging from 4 to 40° C. and have good garden performance.

It is claimed:

1. A new and distinct cultivar of *Zonal Geranium* plant named 'Fisum Red', as herein illustrated and described.

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