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

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(54) **GERANIUM PLANT NAMED ‘DUEIMAP’**
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patent is extended or adjusted under 35
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(51) **Int. Cl.⁷** **A01H 5/00**
(52) **U.S. Cl.** **Plt./330**
(58) **Field of Search** **Plt./327, 330**
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(57) **ABSTRACT**
A new and distinct cultivar of Zonal Geranium plant named
‘Dueimap’, characterized by its upright and rounded plant
habit; freely flowering habit; and orange-colored flowers
held above the foliage on upright peduncles.

1 Drawing Sheet

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**BOTANICAL CLASSIFICATION/CULTIVAR
DENOMINATION**

Pelargonium×hortorum cultivar ‘Dueimap’.

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 ‘Dueimap’.
The new Zonal Geranium is a product of a planned
breeding program conducted by the Inventor in Rheinberg,
Germany. The objective of the breeding program was to
develop new Zonal Geraniums with attractive flower and
foliage colors.
The new Ivy Geranium originated from a cross made by
the Inventor of a proprietary selection of *Pelargonium×*
hortorum identified as code number F-16-18, not patented,
as the female, or seed, parent with a proprietary selection of
Pelargonium×hortorum identified as code number F-16-15,
not patented, as the male, or pollen, parent. The cultivar
‘Dueimap’ was discovered and selected by the Inventor as a
flowering plant within the progeny from this cross in a
controlled environment in Rheinberg, Germany.
Asexual reproduction of the new cultivar by terminal
vegetative cuttings taken at Rheinberg, Germany 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 ‘Due-
imap’. These characteristics in combination distinguish
‘Dueimap’ as a new cultivar and distinguish it from other
known Zonal Geranium cultivars:
1. Upright and rounded plant habit.
2. Freely flowering habit.
3. Orange-colored flowers held above the foliage on
upright peduncles.
Compared to plants of the female parent, the selection
F-16-18, plants of the new Zonal Geranium have lighter
green-colored foliage and lighter orange-colored flowers.
Compared to plants of the male parent, the selection F-16-

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15, plants of the new Zonal Geranium are more compact and
flower earlier.
The new Zonal Geranium can be compared to plants of
the cultivar ‘Fisglo’, disclosed in U.S. Plant Pat. No. 7,394.
5 However, in side-by-side comparisons conducted in
Rheinberg, Germany, plants of the new Zonal Geranium
differed from plants of the cultivar ‘Fisglo’ in the following
characteristics:
1. Plants of the new Zonal Geranium had darker green
10 foliage than plants of the cultivar ‘Fisglo’.
2. Plants of the new Zonal Geranium had smaller flowers
than plants of the cultivar ‘Fisglo’.
3. Flowers of plants of the new Zonal Geranium had more
15 petaloids than flowers of plants of the cultivar ‘Fisglo’.
4. Flower color of plants of the new Zonal Geranium was
lighter than flower color of plants of the cultivar ‘Fisglo’.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

20 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 repro-
ductions of this type. Flower and foliage colors in the
photograph may differ slightly from the color values cited in
25 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 ‘Dueimap’ grown in a container.

DETAILED BOTANICAL DESCRIPTION

30 The cultivar ‘Dueimap’ has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment, such as tempera-
35 ture and light intensity, without, however, any variance in
genotype.
The aforementioned photographs, following observations
and measurements describe plants grown in Rheinberg,
Germany during the spring under commercial practice in a
40 glass-covered greenhouse with day and night temperatures
about 18° C. and light levels about 4,500 foot-candles.
Plants were grown in a 12-cm container. Plants were about
eight weeks from unrooted cuttings when the photographs
and the detailed botanical description were taken.
45 In the following description, 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: *Pelargonium×hortorum* cultivar 'Dueimap'.

Parentage:

Female parent.—Proprietary selection of *Pelargonium×hortorum* identified as code number F-16-18, not patented.

Male parent.—Proprietary selection of *Pelargonium×hortorum* identified as code number F-16-15, not patented.

Propagation:

Type cutting.—Terminal vegetative cuttings.

Time to initiate roots.—Summer: About 5 days at 20° C. Winter: About 7 days at 20° C.

Time to develop roots.—Summer: About 21 days at 20° C. Winter: About 28 days at 20° C.

Root description.—Fine.

Rooting habit.—Freely branching.

Plant description:

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

Growth and branching habit.—Moderately vigorous. Basal branching, about three lateral branches.

Plant height.—About 22 cm.

Plant width.—About 23 cm.

Lateral branches.—Length: About 5.5 cm. Internode length: About 1 cm. Texture: Smooth. Color: 144A.

Foliage description.—Arrangement: Alternate, single. Quantity of leaves per lateral branch: About six. Length: About 6.6 cm. Width: About 7.8 cm. Shape: Reniform. Apex: Rounded. Base: Cordate. Margin: Crenate. Venation pattern: Palmate. Texture, upper and lower surfaces: Pubescent. Color: Young and fully expanded foliage, upper surface: 137B; no distinct zonation pattern. Young and fully expanded foliage, lower surface: 138B. Venation: Upper surface: 137B. Lower surface: 139D. Petiole: Length: About 7.5 cm. Diameter: About 2.2 mm. Color, upper and lower surfaces: 144A.

Flower description:

Flower arrangement.—Orange-colored flowers arranged in rounded hemispherical umbels arising from apical leaf axils. Umbels displayed above the foliage on upright peduncles. Flowers rounded in form. Umbels persistent, flowers not persistent. Flowers not fragrant.

Quantity of flowers.—Freely flowering; at full flower, plants have about six to eight open and developing umbels with about 25 to 30 flowers per umbel.

Flowering season.—Flowering continuous spring until the autumn.

Flower longevity.—Flowers last about two weeks on the plant.

Umbel size.—Height: About 5.5 cm. Diameter: About 9 cm.

Flower size.—Diameter: About 3.8 cm. Depth (height): About 1.7 cm.

Flower buds.—Length: About 1.1 cm. Diameter: About 7 mm. Shape: Ovoid. Color: 44B.

Petals.—Quantity per flower: About five. Length: About 2.2 cm. Width: About 1.6 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth. Color: When opening and fully opened, upper surface: 33A; becoming 52A with subsequent development. When opening and fully opened, lower surface: 32B. Venation: Upper surface: 33A. Lower surface: 32B.

Petaloids.—Quantity per flower: About four. Length: About 2 cm. Width: About 1.2 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth. Color: When opening and fully opened, upper surface: 33A; becoming 52A with subsequent development. When opening and fully opened, lower surface: 32B. Venation: Upper surface: 33A. Lower surface: 32B.

Sepals.—Quantity per flower: Five, arranged in a single whorl. Length: About 8.5 mm. Width: About 2.3 mm. Shape: Elongated, tapering. Apex: Apiculate. Margin: Entire. Texture, upper and lower surfaces: Smooth. Color, upper and lower surfaces: 144A.

Peduncle (umbel stem).—Length: About 15.5 cm. Diameter: Less than 1 cm. Angle: Erect. Strength: Moderately strong. Texture: Pubescent. Color: 144A.

Pedicel (individual flower stem).—Length: About 2.6 cm. Diameter: About 1 mm. Angle: Erect. Strength: Moderately strong. Texture: Pubescent. Color: 144A overlain with 59B.

Reproductive organs.—Androecium: Anther quantity per flower: About six to seven. Anther length: About 2 mm. Anther shape: Ovate. Anther color: 59B. Pollen amount: Moderate. Pollen color: 25A. Gynoecium: Pistil quantity per flower: One. Pistil length: About 1 cm. Stigma shape: Five-parted, star-shaped. Stigma color: 45A. Style length: About 2 mm. Style color: 58A. Ovary color: 144A.

Seed/fruit.—Development of seeds and fruit have 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.

It is claimed:

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

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