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(54) **GERANIUM PLANT NAMED 'DUEHAYDN'**

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(57) **ABSTRACT**

A new and distinct cultivar of Ivy Geranium plant named 'Duehaydn', characterized by its upright and outwardly spreading plant habit; freely basal branching habit; freely flowering habit; and pink-colored flowers.

**1 Drawing Sheet**

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**BOTANICAL CLASSIFICATION/CULTIVAR DENOMINATION**

*Pelargonium peltatum* cultivar 'Duehaydn'.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar of Ivy Geranium plant, botanically known as *Pelargonium peltatum*, and hereinafter referred to by the name 'Duehaydn'.

The new Ivy 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 Ivy Geraniums with attractive flower and foliage colors.

The new Ivy Geranium originated from a cross made by the Inventor of two unidentified proprietary selections of *Pelargonium peltatum*, not patented. The cultivar 'Duehaydn' 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 Ivy 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 'Duehaydn'. These characteristics in combination distinguish 'Duehaydn' as a new cultivar and distinguish it from other known Ivy Geranium cultivars:

1. Upright and outwardly spreading plant habit.
2. Freely basal branching habit.
3. Freely flowering habit.
4. Pink-colored flowers.

Plants of the new Ivy Geranium differ primarily from plants of the parent selections in flower color.

The new Ivy Geranium can be compared to plants of the cultivar 'Guimongol', disclosed in U.S. Plant Pat. No. 9,352. However, in side-by-side comparisons conducted in Rheinberg, Germany, plants of the new Ivy Geranium dif

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ferred from plants of the cultivar 'Guimongol' in the following characteristics:

1. Plants of the new Ivy Geranium were more compact and had shorter internodes than plants of the cultivar 'Guimongol'.
2. Plants of the new Ivy Geranium were more freely branching than plants of the cultivar 'Guimongol'.
3. Leaves of the new Ivy Geranium were darker green than leaves of plants of the cultivar 'Guimongol'.
4. Flower color of plants of the new Ivy Geranium was more intense pink than flower color of plants of the cultivar 'Guimongol'.

**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 Ivy Geranium. The photograph comprises a side perspective view of typical flowering plants of 'Duehaydn' grown in a container.

**DETAILED BOTANICAL DESCRIPTION**

The cultivar 'Duehaydn' has 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 photographs, following observations and measurements describe plants grown in Rheinberg, Germany during the spring under commercial practice in a glass-covered greenhouse with day and night temperatures about 18° C. and light levels about 4,500 foot-candles. Plants were grown with three plants per container. Plants were about eight weeks from unrooted cuttings when the photographs and the detailed botanical description were taken.

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 peltatum* cultivar 'Duehaydn'.

Parentage:

*Femal parent*.—Unidentified selection of *Pelargonium peltatum*, not patented.

*Male parent*.—Unidentified selection of *Pelargonium peltatum*, 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 outwardly spreading plant habit; densely foliated.

*Growth and branching habit*.—Moderately vigorous.

Freely basal branching, about four lateral branches.

*Plant height*.—About 18 cm.

*Plant width*.—About 11 cm.

*Lateral branches*.—Length: About 16 cm. Internode length: About 2.4 cm. Texture: Smooth. Color: 144A.

*Foliage description*.—Arrangement: Alternate, single.

Quantity of leaves per lateral branch: About six.

Length: About 6.2 cm. Width: About 7.8 cm. Shape:

Reniform. Apex: Acute. Base: Cordate. Margin:

Entire. Venation pattern: Palmate. Texture, upper and

lower surfaces: Smooth. Color: Young and fully

expanded foliage, upper surface: 137A; no distinct

zonation pattern. Young and fully expanded foliage,

lower surface: 144A. Venation, upper and lower

surfaces: 144A. Petiole: Length: About 7 cm. Diam-

eter: About 2.5 mm. Color, upper and lower surfaces:

144A.

Flower description:

*Flower arrangement*.—Pink-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 four to five open and developing umbels with about 14 flowers per umbel.

*Flowering season*.—Flowering continuous spring through summer.

*Flower longevity*.—Flowers last about five to seven days on the plant.

*Umbel size*.—Height: About 5 cm. Diameter: About 9 cm.

*Flower size*.—Diameter: About 4.25 cm. Depth (height): About 1.5 cm.

*Flower buds*.—Length: About 1.4 cm. Diameter: About 7.3 mm. Shape: Ovoid. Color: 144A.

*Petals*.—Quantity per flower: About five. Length: About 2.3 cm. Width: About 1.3 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth. Color: When opening and fully opened, upper surface: 73A; towards base, 53A; main color fading to 66D with subsequent development. When opening and fully opened, lower surface: 73C; towards base, 53A. Venation, upper surface: 73A. Venation, lower surface: 73C.

*Petaloids*.—Quantity per flower: About nine. Length: About 2.3 cm. Width: About 1.3 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth. Color: When opening and fully opened, upper surface: 73A; towards base, 53A; main color fading to 66D with subsequent development. When opening and fully opened, lower surface: 73C; towards base, 53A. Venation, upper surface: 73A. Venation, lower surface: 73C.

*Sepals*.—Quantity per flower: Five, arranged in a single whorl. Length: About 1.1 cm. Width: About 4 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 14.5 cm. Diameter: Less than 1 cm. Angle: Erect. Strength: Moderately strong. Texture: Smooth. 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 178A.

*Reproductive organs*.—Androecium: Anther quantity per flower: About five. Anther length: About 3 mm. Anther shape: Ovate. Anther color: 60A. Pollen amount: Moderate. Pollen color: 28A. Gynoecium: Pistil quantity per flower: One. Pistil length: About 1 cm. Stigma shape: Five-parted, star-shaped. Stigma color: 60A. Style length: About 6 mm. Style color: 2D. Ovary color: 144A.

*Seed/fruit*.—Development of seeds and fruit have not been observed.

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

It is claimed:

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

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