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

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(54) **GERANIUM PLANT NAMED**
‘DUEAMELIASTAR’

(51) **Int. Cl.**
A01H 5/00 (2006.01)

(50) Latin Name: *Pelargonium peltatum*
Varietal Denomination: **Dueameliastar**

(52) **U.S. Cl.** **Plt./332**
(58) **Field of Classification Search** **Plt./332**
See application file for complete search history.

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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 0 days.

(57) **ABSTRACT**

A new and distinct cultivar of Ivy *Geranium* plant named
‘Dueameliastar’, characterized by its compact, upright and
outwardly spreading plant habit; freely basal branching
habit; freely flowering habit; and red purple and light pink
bi-colored double flowers.

(21) Appl. No.: **11/172,054**

(22) Filed: **Jun. 30, 2005**

1 Drawing Sheet

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Botanical denomination: *Pelargonium peltatum*. Cultivar
designation: ‘Dueameliastar’.

**CROSS-REFERENCE TO RELATED
APPLICATIONS**

Title: *Geranium* Plant Named ‘Dueamarostar’, disclosed
in U.S. Plant patent application Ser. No. 11/172,053 Appli-
cant: Marga Dümmen.

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 ‘Dueame-
liastar’.

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
compact and freely-flowering Ivy *Geraniums* with attractive
flower and foliage colors.

The new Ivy *Geranium* is a naturally-occurring whole
plant mutation of a proprietary selection of *Pelargonium*
peltatum identified as code number E-01-13, not patented.
The cultivar Dueameliastar was discovered and selected by
the Inventor as a flowering plant within a population of
plants of the parent selection in a controlled environment in
Rheinberg, Germany in May, 2003.

Asexual reproduction of the new cultivar by terminal
vegetative cuttings at Rheinberg, Germany since May, 2003
has shown that the unique features of this new Ivy *Geranium*
are stable and reproduced true to type in successive genera-
tions of asexual reproduction.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and
are determined to be the unique characteristics of ‘Dueame-
liastar’. These characteristics in combination distinguish
‘Dueameliastar’ as a new cultivar and distinguish it from
other known Ivy *Geranium* cultivars:

1. Compact, upright and outwardly spreading plant habit.
2. Freely basal branching habit.

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3. Freely flowering habit.

4. Red purple and light pink bi-colored double flowers.

Plants of the new Ivy *Geranium* differ primarily from
plants of the parent selection in flower color as plants of the
parent selection have red-colored flowers.

Plants of the new Ivy *Geranium* differ primarily from
plants of the cultivar Dueamarostar in flower color as plants
of the cultivar Dueamarostar have red and light pink
bi-colored flowers.

The new Ivy *Geranium* can be compared to plants of the
cultivar Dueamelia, disclosed in U.S. Plant Pat. No. 15,751.
In side-by-side comparisons conducted in Rheinberg,
Germany, plants of the new Ivy *Geranium* differed from
plants of the cultivar Dueamelia in the following character-
istics:

1. Plants of the new Ivy *Geranium* had longer internodes
than plants of the cultivar Dueamelia.

2. Plants of the new Ivy *Geranium* had smaller umbels
than plants of the cultivar Dueamelia.

3. Plants of the new Ivy *Geranium* and the cultivar
Dueamelia differed in flower coloration as plants of the
cultivar Dueamelia had red purple-colored flowers.

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 repro-
ductions 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 com-
prises a side perspective view of a typical flowering plant of
‘Dueameliastar’ grown in a container.

DETAILED BOTANICAL DESCRIPTION

The cultivar Dueameliastar 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 vari-
ance in genotype.

The aforementioned photograph, following observations and measurements describe plants grown in Rheinberg, Germany during the summer 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 in 10.5 cm containers. Plants were pinched about three weeks after planting. Plants were about eight weeks from unrooted cuttings when the photograph 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 Dueameliastar.

Parentage: Naturally-occurring whole plant mutation of a proprietary selection of *Pelargonium peltatum* identified as code number E-01-13, 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 three weeks at 20° C. Winter: About four weeks at 20° C.

Root description.—Fine; fibrous; white in color.

Rooting habit.—Freely branching.

Plant description:

General appearance.—Compact, upright and outwardly spreading plant habit, rounded plant form; densely foliated.

Growth and branching habit.—Moderately vigorous. Freely basal branching, about six lateral branches per plant.

Plant height.—About 22 cm.

Plant width.—About 13 cm.

Lateral branches.—Length: About 19 cm. Internode length: About 3.5 cm. Texture: Smooth. Color: 144A.

Foliage description.—Arrangement: Alternate, single. Length: About 6 cm. Width: About 6.8 cm. Shape: Reniform. Apex: Acute. Base: Peltate. Margin: Crenate. Venation pattern: Palmate. Texture, upper and lower surfaces: Smooth, glabrous. Color: Developing and fully expanded foliage, upper surface: 137A; zonation pattern, faint, 147A in color and about 6 mm in width. Developing and fully expanded foliage, lower surface: 137C. Venation, upper and lower surfaces: 144A. Petiole: Length: About 5.3 cm. Diameter: About 2 mm. Color, upper and lower surfaces: 144A.

Flower description:

Flower arrangement.—Red purple and light pink bi-colored double 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; plants have about six to seven open umbels with about seven to ten flowers per umbel.

Flowering season.—Flowering continuous spring through summer.

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

Umbel size.—Diameter: About 7 cm. Height: About 4.5 cm.

Flower size.—Diameter: About 4.5 cm. Depth (height): About 2.5 cm.

Flower buds.—Length: About 1.1 cm. Diameter: About 7 mm. Shape: Ovoid. Color: 144A.

Petals.—Quantity per flower: About five. Length: About 2.7 cm. Width: About 1.7 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Sinuate. Texture, upper and lower surfaces: Smooth. Color: When opening and fully opened, upper surface: Center, 69C; towards the margin and longitudinal stripes, 74A to 74B; towards the base, 71A. When opening and fully opened, lower surface: Center, 69C; towards the margin and longitudinal stripes, 57B.

Petaloids.—Quantity per flower: About 12 to 17. Length: About 2.6 cm. Width: About 1.5 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Sinuate. Texture, upper and lower surfaces: Smooth. Color: When opening and fully opened, upper surface: Center, 69C; towards the margin and longitudinal stripes, 74A to 74B. When opening and fully opened, lower surface: Center, 69C; towards the margin and longitudinal stripes, 57B.

Sepals.—Quantity per flower: About five, arranged in a single whorl. Length: About 1.4 cm. Width: About 4 mm. Shape: Elongated, tapering. Apex: Apiculate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 144A.

Peduncle (umbel stem).—Length: About 10 cm. Diameter: About 1 cm. Angle: Erect. Strength: Moderately strong. Texture: Smooth, glabrous. Color: 144A.

Pedicel (individual flower stem).—Length: About 2 cm. Diameter: About 2 mm. Angle: Erect. Strength: Moderately strong. Texture: Pubescent. Color: 144A overlain with 183C.

Reproductive organs.—Androecium: Anther quantity per flower: About ten. Anther length: About 3 mm. Anther shape: Ovate. Anther color: 70A. Pollen amount: Moderate. Pollen color: 28A. Gynoecium: Pistil quantity per flower: One. Pistil length: About 1.1 cm. Stigma shape: Crested. Stigma color: 59A. Style length: About 3 mm. Style color: 2D. Ovary color: Close to 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*.

Temperature tolerance: Plants of the new Ivy *Geranium* have been observed to be tolerant to temperatures ranging from 5° to 40° C.

It is claimed:

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

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