



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

(10) **Patent No.:** **US PP22,380 P2**  
(45) **Date of Patent:** **Dec. 20, 2011**

(54) **PELARGONIUM PLANT NAMED**  
**‘DUEATREVEL’**

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

(75) Inventor: **Tobias Dümmen**, Rheinberg (DE)

(73) Assignee: **Capital Green Investments Ltd.**, Grand  
Cayman (KY)

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **12/924,025**

(22) Filed: **Sep. 17, 2010**

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

(52) **U.S. Cl.** ..... **Plt./332**

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

*Primary Examiner* — Annette Para

(74) *Attorney, Agent, or Firm* — C. A. Whealy

(57) **ABSTRACT**

A new and distinct cultivar of Ivy Geranium plant named  
‘Dueatrevel’, characterized by its compact, upright to out-  
wardly spreading plant habit; moderately vigorous growth  
habit; freely basal branching habit; freely flowering habit;  
dark red-colored double flowers; and good garden perfor-  
mance.

**1 Drawing Sheet**

**1**

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

**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 ‘Due-  
atrevel’.

The new Ivy Geranium plant is a product of a planned  
breeding program conducted by the Inventor in Rheinberg,  
Germany. The objective of the breeding program is to create  
new compact Ivy Geranium plants with dark green-colored  
leaves and attractive flowers.

The new Ivy Geranium plant originated from a cross-pol-  
lination made by the Inventor in December, 2006 in Rhein-  
berg, Germany of a proprietary selection of *Pelargonium*  
*peltatum* identified as code number P02-3571-15, not pat-  
ented, as the female, or seed, parent with a proprietary selec-  
tion of *Pelargonium peltatum* identified as code number P20-  
3647-68, not patented, as the male, or pollen, parent. The new  
Ivy Geranium plant was discovered and selected by the Inven-  
tor as a single flowering plant from within the progeny of the  
stated cross-pollination in a controlled greenhouse environ-  
ment in Rheinberg, Germany in May, 2009.

Asexual reproduction of the new Ivy Geranium plant by  
vegetative terminal cuttings in a controlled greenhouse envi-  
ronment in Rheinberg, Germany since May, 2009, has shown  
that the unique features of this new Ivy Geranium plant are  
stable and reproduced true to type in successive generations.

**SUMMARY OF THE INVENTION**

Plants of the new Ivy Geranium have not been observed  
under all possible environmental conditions. The phenotype  
may vary somewhat with variations in environment and cul-  
tural practices such as temperature and light intensity with-  
out, however, any variance in genotype.

The following traits have been repeatedly observed and are  
determined to be the unique characteristics of ‘Dueatrevel’.  
These characteristics in combination distinguish ‘Due-  
atrevel’ as a new and distinct cultivar of Ivy Geranium plant:

**2**

1. Compact, upright to outwardly spreading plant habit.
2. Moderately vigorous growth habit.
3. Freely basal branching habit.
4. Freely flowering habit.
5. Dark red-colored double flowers.
6. Good garden performance.

Plants of the new Ivy Geranium differ primarily from  
plants of the parent selections in flower color as plants of the  
female parent selection have lighter red-colored flowers and  
plants of the male parent selection have pink-colored flowers.  
In addition, plants of the new Ivy Geranium are more compact  
than plants of the parent selections.

Plants of the new Ivy Geranium can be compared to plants  
of *Pelargonium peltatum* ‘Duepared’, disclosed in U.S. Plant  
Pat. No. 19,236. In side-by-side comparisons conducted in  
Rheinberg, Germany, plants of the new Ivy Geranium dif-  
fered primarily from plants of ‘Duepared’ in flower color as  
plants of ‘Duepared’ had lighter red-colored flowers.

**BRIEF DESCRIPTION OF THE PHOTOGRAPH**

The accompanying colored photograph illustrates the over-  
all appearance of the new Ivy Geranium plant 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 Ivy Geranium plant. The photograph comprises a side  
perspective view of a typical flowering plant of ‘Dueatrevel’  
grown in a container.

**DETAILED BOTANICAL DESCRIPTION**

The aforementioned photograph and following observa-  
tions and measurements describe plants grown during the  
summer in 10.5-cm containers in a glass-covered greenhouse  
in Rheinberg, Germany and under conditions which closely  
approximate commercial production. During the production  
of the plants, day and night temperatures averaged 18° C. and  
light levels averaged 4,500 lux. Plants were pinched one time  
three weeks after planting. Plants were 13 weeks old when the  
photograph and the description were taken. In the detailed



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* 'Dueatrevel'.  
Parentage:

*Female, or seed, parent.*—Proprietary selection of *Pelargonium peltatum* identified as code number P02-3571-15, not patented.

*Male or pollen parent.*—Proprietary selection of *Pelargonium peltatum* identified as code number P20-3647-68, not patented.

Propagation:

*Type.*—By vegetative terminal cuttings.

*Time to initiate roots, summer.*—About five days at temperatures of 20° C.

*Time to initiate roots, winter.*—About seven days at temperatures of 20° C.

*Time to produce a rooted young plant, summer.*—About three weeks at temperatures of 20° C.

*Time to produce a rooted young plant, winter.*—About four weeks at temperatures of 20° C.

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

*Rooting habit.*—Freely branching.

Plant description:

*General appearance.*—Compact, upright to outwardly spreading plant habit; uniformly rounded; densely foliated.

*Growth and branching habit.*—Moderately vigorous growth habit; freely basal branching habit with about three basal branches developing per plant.

*Plant height to top of flower umbels.*—About 18 cm.

*Plant height to top of foliar plane.*—About 17 cm.

*Plant width.*—About 20 cm.

*Lateral branches.*—Length: About 6 cm. Diameter: About 5 mm. Internode length: About 2.2 cm. Texture: Pubescent. Strength: Moderately strong. Color: Close to 144B.

Foliage description:

*Arrangement.*—Alternate; simple.

*Length.*—About 5.3 cm.

*Width.*—About 6.5 cm.

*Shape.*—Reniform.

*Apex.*—Acute.

*Base.*—Peltate.

*Margin.*—Crenate.

*Venation pattern.*—Palmate.

*Texture, upper surface.*—Pubescent.

*Texture, lower surface.*—Smooth, glabrous.

*Color.*—Developing leaves, upper surface: Close to 137A. Developing leaves, lower surface: Close to 143A. Fully expanded leaves, upper surface: Close to 137A; venation, close to 144A to 144B. Fully expanded leaves, lower surface: Close to 143A to 143B; venation, close to 144A to 144B. Zonation pattern: Not discernible.

*Petiole.*—Length: About 6.5 cm. Diameter: About 2 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: Close to 143A.

Flower description:

*Flower arrangement.*—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.

*Fragrance.*—Not detected.

*Quantity of flowers.*—Freely flowering habit; about seven flowers and flower buds per umbel; about 70 flowers develop per plant.

*Flowering season.*—Year-round under greenhouse conditions; in outdoor nurseries and gardens in Germany flowering is continuous from spring throughout the summer; plants begin to flower about eight weeks after planting.

*Flower longevity.*—Individual flowers last about five to seven days on the plant; flowers persistent.

*Umbel height.*—About 4.8 cm.

*Umbel diameter.*—About 8.5 cm.

*Flower diameter.*—About 4.7 cm by 5.2 cm.

*Flower depth (height).*—About 2.3 cm.

*Flower buds.*—Length: About 1.3 cm. Diameter: About 6 mm. Shape: Ovoid. Color: Close to 59A.

*Petals.*—Quantity per flower: About five. Length: About 2.3 cm. Width: About 1.3 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Sinuate. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening and fully opened, upper surface: Close to 53A; color does not fade with development. When opening and fully opened, lower surface: Close to 46A to 46B; color becoming closer to 53A with development.

*Petaloids.*—Quantity per flower: About six. Length: About 2.2 cm. Width: About 1 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Sinuate. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening and fully opened, upper surface: Close to 53A. When opening and fully opened, lower surface: Close to 46A to 46B.

*Sepals.*—Quantity per flower: Five, arranged in a single whorl. Length: About 1.3 cm. Width: About 4.6 mm. Shape: Ensiform. Apex: Apiculate. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper surface: Close to 143B. Color, lower surface: Close to 143A.

*Peduncle (umbel stem).*—Length: About 8 cm. Diameter: About 3 mm to 4 mm. Strength: Moderately strong. Texture: Smooth, glabrous. Color: Close to 144A.

*Pedicel (individual flower stem).*—Length: About 2 cm. Diameter: About 1 mm to 2 mm. Strength: Moderately strong. Texture: Smooth, glabrous. Color: Close to 144B.

*Reproductive organs.*—Androecium: Stamen quantity per flower: About eight. Filament length: About 7 mm. Filament color: Close to 62A. Anther length: About 2 mm. Anther shape: Oval. Anther color: Close to 83A. Pollen amount: Moderate. Pollen color: Close to 28A. Gynoecium: Pistil quantity per flower: One. Pistil length: About 1 cm. Stigma shape: Parted. Stigma color: Close to 59B. Style length: About 2 mm. Style color: Close to 157D. Ovary color: Close to 138C.

*Seed/fruit.*—Seed and fruit development 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.

Garden performance: Plants of the new Ivy Geranium have been observed to tolerate rain, wind, and temperatures ranging from about 5° C. to about 40° C. and have demonstrated good garden performance.

It is claimed:

1. A new and distinct Ivy Geranium plant named 'Dueatrevel' as illustrated and described.

\* \* \* \* \*



