



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

(10) **Patent No.:** **US PP21,488 P2**  
(45) **Date of Patent:** **Nov. 16, 2010**

(54) **PELARGONIUM PLANT NAMED**  
**‘DUETEMEHOPI’**  
(50) Latin Name: *Pelargonium zonale*  
Varietal Denomination: **Duetemehopi**  
(75) Inventor: **Tobias Dümmen**, Rheinberg (DE)  
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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.  
(21) Appl. No.: **12/586,392**  
(22) Filed: **Sep. 21, 2009**  
(51) **Int. Cl.**  
**A01H 5/00** (2006.01)

(52) **U.S. Cl.** ..... **Plt./329**  
(58) **Field of Classification Search** ..... **Plt./329**

See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of Zonal *Geranium* plant named  
‘Duetemehopi’, characterized by its upright to outwardly  
spreading plant habit; vigorous growth habit; freely basal  
branching habit; dark green-colored leaves; freely flowering  
habit; semi-double dark red purple-colored flowers; and good  
garden performance.

**1 Drawing Sheet**

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Botanical designation: *Pelargonium zonale*.  
Cultivar denomination: ‘Duetemehopi’.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar  
of Zonal *Geranium* plant, botanically known as *Pelargonium*  
*zonale*, and hereinafter referred to by the name ‘Dueteme-  
hopi’.

The new Zonal *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 vigorous Zonal *Geranium* plants with dark green-col-  
ored leaves and attractive flowers.

The new Zonal *Geranium* plant originated from a cross-  
pollination made by the Inventor in July, 2005 in Rheinberg,  
Germany of a proprietary selection of *Pelargonium zonale*  
identified as code number Z02-00005-001, not patented, as  
the female, or seed, parent with a proprietary selection of  
*Pelargonium zonale* identified as code number F-06-0618,  
not patented, as the male, or pollen, parent. The new Zonal  
*Geranium* plant was discovered and selected by the Inventor  
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, 2008.

Asexual reproduction of the new Zonal *Geranium* plant by  
vegetative terminal cuttings in a controlled greenhouse envi-  
ronment in Rheinberg, Germany since May, 2008, has shown  
that the unique features of this new Zonal *Geranium* plant are  
stable and reproduced true to type in successive generations.

**SUMMARY OF THE INVENTION**

Plants of the new Zonal *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 ‘Dueteme-

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hopi’. These characteristics in combination distinguish  
‘Duetemehopi’ as a new and distinct cultivar of Zonal *Gera-*  
*nium*:

1. Upright to outwardly spreading plant habit.
2. Vigorous growth habit.
3. Freely basal branching habit.
4. Dark green-colored leaves.
5. Freely flowering habit.
6. Semi-double dark red purple-colored flowers.
7. Good garden performance.

Plants of the new Zonal *Geranium* differ primarily from  
plants of the female parent selection in flower color.

Plants of the new Zonal *Geranium* differ primarily from  
plants of the male parent selection in growth habit as plants of  
the new Zonal *Geranium* are more vigorous than plants of the  
male parent selection. In addition, plants of the new Zonal  
*Geranium* have darker green-colored leaves than plants of the  
male parent selection.

Plants of the new Zonal *Geranium* can be compared to  
plants of *Pelargonium zonale* ‘Flower Fairy Rose’, not pat-  
ented. In side-by-side comparisons conducted in Rheinberg,  
Germany, plants of the new Zonal *Geranium* differed from  
plants of ‘Flower Fairy Rose’ in the following characteristics:

1. Plants of the new Zonal *Geranium* were larger and more  
vigorous than plants of ‘Flower Fairy Rose’.
2. Plants of the new Zonal *Geranium* had darker green-  
colored leaves than plants of ‘Flower Fairy Rose’.

**BRIEF DESCRIPTION OF THE PHOTOGRAPH**

The accompanying colored photograph illustrates the over-  
all appearance of the new Zonal *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 accu-  
rately describe the colors of the new Zonal *Geranium* plant.  
The photograph comprises a side perspective view of a typical  
flowering plant of ‘Duetemehopi’ grown in a container.

## DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations and measurements describe plants grown in 10.5-cm containers in Rheinberg, Germany in a glass-covered greenhouse during the summer 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 had been growing for 13 weeks 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 zonale* 'Duetemehopi'.  
Parentage:

*Female, or seed, parent.*—Proprietary selection of *Pelargonium zonale* identified as code number Z02-00005-001, not patented.

*Male or pollen parent.*—Proprietary selection of *Pelargonium zonale* identified as code number F-06-0618, 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.*—Upright to outwardly spreading plant habit; uniformly rounded; densely foliated.

*Growth and branching habit.*—Vigorous growth habit; freely basal branching habit with about three basal branches developing per plant; pinching enhances lateral branch development.

*Plant height to top of flower umbels.*—About 23 cm.

*Plant height to top of foliar plane.*—About 14 cm.

*Plant width.*—About 23 cm.

*Lateral branches.*—Length: About 5.5 cm. Diameter: About 1 cm. Internode length: About 1.25 cm. Texture: Pubescent. Strength: Moderately strong. Color: Close to 144A.

Foliage description:

*Arrangement.*—Alternate; simple.

*Length.*—About 5.3 cm.

*Width.*—About 6.9 cm.

*Shape.*—Reniform.

*Apex.*—Acute.

*Base.*—Cordate.

*Margin.*—Crenate.

*Venation pattern.*—Palmate.

*Texture, upper surface.*—Pubescent.

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

*Color.*—Developing leaves, upper surface: Close to 135A. Developing leaves, lower surface: Close to 137A. Fully expanded leaves, upper surface: Close to 139A; venation, close to 144A. Fully expanded

leaves, lower surface: Close to 137A; venation, close to 144A. Zonation pattern: Not discernible.

*Petiole.*—Length: About 5.6 cm. Diameter: About 2.4 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: Close to 144A.

Flower description:

*Flower arrangement.*—Semi-double rotate flowers arranged in rounded hemispherical umbels arising from apical leaf axils; umbels displayed above the foliage on moderately strong peduncles; flowers face upright to outward.

*Fragrance.*—Not detected.

*Quantity of flowers.*—Freely flowering habit; about 18 flowers and flower buds per umbel.

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

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

*Umbel height.*—About 5 cm.

*Umbel diameter.*—About 8 cm.

*Flower diameter.*—About 4.1 cm.

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

*Flower buds.*—Length: About 1.2 cm. Diameter: About 6.8 mm. Shape: Ovoid. Color: Close to 66A.

*Petals.*—Quantity per flower: About five. Length: About 2.5 cm. Width: About 2.2 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Sinuate. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper surface: Close to 57A. When opening, lower surface: Close to 72C to 72D. Fully opened, upper surface: Close to 74A; color becoming closer to 66A with development. Fully opened, lower surface: Close to 68A.

*Petaloids.*—Quantity per flower: About two to three. Length: About 2 cm. Width: About 1 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Sinuate. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper surface: Close to 74A. When opening, lower surface: Close to 66A. Fully opened, upper surface: Close to 74A. Fully opened, lower surface: Close to 74C.

*Sepals.*—Quantity per flower: Five, arranged in a single whorl. Length: About 1.1 cm. Width: About 2.3 mm. Shape: Ensiform. Apex: Apiculate. Base: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: Close to 144A.

*Peduncle (umbel stem).*—Length: About 9.3 cm. Diameter: About 3.3 mm. Strength: Moderately strong. Texture: Smooth, glabrous. Color: Close to 165A.

*Pedicel (individual flower stem).*—Length: About 2.1 cm. Diameter: About 1.5 mm. Strength: Moderately strong. Texture: Smooth, glabrous. Color: Close to 183A to 183B.

*Reproductive organs.*—Androecium: Stamen quantity per flower: About six. Filament length: About 1.4 cm. Filament color: Close to 155D. Anther length: About 2 mm. Anther shape: Oval. Anther color: Close to 59A. Pollen amount: Moderate. Pollen color: Close to 28A. Gynoecium: Pistil quantity per flower: One. Pistil length: About 7 mm. Stigma shape: Parted. Stigma

color: Close to 57A. Style length: About 2 mm. Style  
color: Close to 57A. Ovary color: Close to 166A.  
*Seed/fruit*.—Seed and fruit development have not been  
observed.  
Disease/pest resistance: Plants of the new *Zonal Geranium* 5  
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 about 5° C. to about 40° C. and have demon-  
strated good garden performance.  
It is claimed:  
1. A new and distinct *Zonal Geranium* plant named ‘Duet-  
emehopi’ as illustrated and described.

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