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Dümmen

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[54] GERANIUM PLANT NAMED 'HWD  
RAVELINA'  
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Germany  
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Attorney, Agent, or Firm—Proprietary Rights International  
[57] ABSTRACT  
A new and distinct cultivar of Geranium plant named HWD  
Ravelina, characterized by its single pink and red bicolor  
flowers; numerous umbels per plant; freely branching plant  
habit; and dark green leaves.  
1 Drawing Sheet

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The present invention relates to a new and distinct cultivar  
of Geranium plant, botanically known as *Pelargonium*  
*hortorum*, known as the variety Duerav, and hereinafter  
referred to by the cultivar name HWD Ravelina.  
The new cultivar is a product of a planned breeding  
program conducted by the inventor in Rheinberg, Germany.  
The objective of the breeding program was to develop a new  
freely-branching single-flowered geranium with pink and  
red bicolor flowers.  
The new cultivar originated from a cross made by the  
inventor of the nonpatented cultivar Duecon as the male or  
pollen parent with the patented cultivar Fisrix (U.S. Pat. No.  
P.P. 7,422) as the female or seed parent.  
The cultivar HWD Ravelina was discovered and selected  
by the inventor as a flowering plant within the progeny of  
the stated cross in a controlled environment in Rheinberg,  
Germany. Asexual reproduction of the new cultivar by  
terminal cuttings taken at Rheinberg, Germany, has shown  
that the unique features of this new Geranium are stabilized  
and reproduced true to type in successive generations of  
asexual reproduction.  
The following traits have been repeatedly observed and  
are determined to be the unique characteristics of HWD  
Ravelina. These characteristics in combination distinguish  
HWD Ravelina as a new and distinct cultivar:  
1. Single pink and red bicolor flowers.  
2. Numerous umbels per plant.  
3. Freely branching plant habit.  
4. Dark green leaves.  
In comparison to the parent cultivar Duecon, plants of the  
new Geranium have single (not semi-double) flowers,  
bicolor and darker petal color, and darker green foliage  
color. In comparison to the parent cultivar Fisrix, plants of  
the new Geranium have larger bright red marks on the petals  
and plants are much more freely branching.  
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. The photograph comprises a top  
perspective view of a typical potted plant of HWD Ravelina  
with one plant in a 10-cm container.  
The cultivar HWD Ravelina 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 following observations, measure-  
ments and comparisons describe plants grown in Rheinberg,  
Germany, under commercial practice in a glass-covered  
greenhouse with day temperatures of 24° C. and night  
temperatures of 18° to 20° C. and light levels of 45,000 to

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60,000 lux. Plants were grown in 10-cm pots with one plant  
per pot.  
In the following description, color references are made to  
The Royal Horticultural Society Colour Chart except where  
general terms of ordinary dictionary significance are used.  
Classification:  
Botanical.—*Pelargonium**hortorum*.  
Commercial.—Zonal Geranium.  
Cultivar.—'HWD Ravelina'.  
Parentage:  
Male parent.—Cultivar Duecon.  
Female parent.—Patented cultivar Fisrix (U.S. Pat. P.P.  
No. 7,422).  
Propagation:  
Type cutting.—Terminal cuttings.  
Time to initiate roots.—Summer: 27° C., 21 days,  
winter: 20° C., 28 days.  
Plant description:  
General appearance.—Rounded; compact plant size,  
upright, freely branching.  
Foliage description.—Arrangement: Generally alter-  
nate. Shape: Orbicular with rounded tip and cordate  
base. Size: Length: 7.5 cm. Width: 8.5 cm. Texture:  
Velvety; pubescent on upper and under surfaces.  
Margin: Crenate. Color: Young foliage, upper sur-  
face: 147A. Young foliage, under surface: 147B.  
Mature foliage, upper surface: 147A. Mature foliage,  
under surface: 147B. Zonation: None. Veins, upper  
surface: 144A. Veins, under surface: 144A. Petiole:  
144A. Venation pattern: Palmate. Petiole: Length: 7  
to 11 cm. Diameter: 2 to 3 mm.  
Stem description.—Internode length: 1 to 1.5 cm. Stem  
color: 144A. Lateral branch number: 18. Lateral  
branch length: 7 to 10 cm.  
Flowering description:  
Flowering habit.—Freely flowering. Flowers arranged  
in umbels.  
Natural flowering season.—Year-round.  
Flowers borne.—Flower buds develop in apical leaf  
axils. Umbels are displayed above the foliage.  
Quantity of inflorescences.—Very floriferous; usually  
11 open umbels and at least 4 developing umbels per  
plant at one time.  
Umbels.—Form: Rounded. Diameter: 10 cm. Depth  
(height): 5 cm.  
Flowers.—Form: Single. Shape: Rounded. Quantity of  
flowers per umbel: 18 to 20. Diameter: 4 to 4.5 cm.  
Depth (height): 2 cm.  
Petals.—Shape: Obovate with rounded tip. Arrange-  
ment: Rosette, overlapping. Quantity: 5. Aspect:

Flat. Size: Length: 2.5 cm. Width: 2.7 cm. Texture: Satiny, smooth. Margin: Entire. Color: When opening, upper surface: 68B with bright red mark, 52A. When opening, under surface: 58A. Upper surface: 68B with bright red mark, 52A. Under surface: 62B. 5  
Fading to, upper surface: Base of petals fade to 155D with venous areas, 63B. Fading to, under surface: Base of petals fade to 155D with venous areas, 63B. Diameter of bright red mark: 0.5 to 1.0 cm.

*Petaloids*.—None, single flowers.

*Peduncle (umbel stem)*.—Angle: Erect, rigid. Length: 12.5 to 15 cm. Pubescence: Very fine. Color: 144A. 10

*Pedicel (individual flower stem)*.—Angle: Erect, rigid. Length: 3.3 cm. Pubescence: Very fine. Color: 59A with hint of 144A.

*Flower bud*.—Shape: Ovoid. Length: 1.5 cm. Diameter: 8 mm. Color: 58C/58D.

*Sepals*.—Arrangement: Rosette. Quantity: 5. Size: Length: 1.2 cm. Width: 3 to 5 mm. Shape: Acuminate with apiculate tip. Texture: Velvety. Margin: Entire.

Color: Upper surface: 59A at base fading to 144A at tip. Under surface: 59A at base fading to 144A at tip.

*Reproductive organs*.—Androecium: Stamen number: 10 to 11. Anther size: 2 mm. Anther color: 177A to 174D. Anther color: 34C/34D. Gynoecium: Pistil number: 1. Pistil length: 1 cm. Stigma shape: Decurrent. Stigma color: 61C. Style length: 4 mm. Style color: 61C.

*Ploidy level*.—Tetraploid.

Disease resistance: No fungal, bacterial nor viral problems observed.

Seed development: Seed production is very rarely observed.

15 It is claimed:

1. A new and distinct cultivar of Geranium plant named HWD Ravelina, as illustrated and described.

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**U.S. Patent**

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