



US00PP17105P2

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

(10) **Patent No.:** **US PP17,105 P2**  
(45) **Date of Patent:** **Sep. 19, 2006**

(54) **TORENIA PLANT NAMED**  
**'DANTOPUREMON'**

(50) Latin Name: *Torenia* sp.  
Varietal Denomination: **Dantopuremon**

(75) Inventor: **Gabriel Danziger**, Moshav Nir-Zvi (IL)

(73) Assignee: **Danziger "Dan" Flower Farm**, Post  
Beit Dagan (IL)

(\*) 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.: **11/144,629**

(22) Filed: **Jun. 6, 2005**

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

(52) **U.S. Cl.** ..... **Plt./263**

(58) **Field of Classification Search** ..... **Plt./263**  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP11,784 P2 \* 2/2001 Danziger ..... Plt./263

OTHER PUBLICATIONS

[http://www.cpvo.eu.int/module\\_tech/pending\\_applications.php?SPECIEID=TORE1.\\*](http://www.cpvo.eu.int/module_tech/pending_applications.php?SPECIEID=TORE1.*)

\* cited by examiner

*Primary Examiner*—Wendy Haas

(74) *Attorney, Agent, or Firm*—Foley & Lardner LLP

(57) **ABSTRACT**

A new and distinct *Torenia* plant named 'Dantopuremon' characterized by having shiny green foliage, dotted with plenty of delicate, funnel form, cup shaped flowers in shades of pale violet and white; vigorous, bush, cascading, rounded and compact growth habit; densely branched plant, gracefully cascading from hanging baskets; early flowering response and stays in full bloom season-long in moderate climate; suitable for use as an annual for hanging pots outdoors under partial shade; and good weather tolerance with preferred temperature range of 15 to 25° C.

**2 Drawing Sheets**

**1**

Botanical designation: *Torenia* sp.  
Variety denomination: 'Dantopuremon'.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar of *Torenia* plant, of the Scrophulariaceae family, hereinafter referred to by the cultivar name 'Dantopuremon'.

The new cultivar was originated from a cross made in a controlled breeding program by the inventor, Gabriel Danziger, in March of 2001 in Moshav Mishmar Hashiva, Israel. The female parent is the *Torenia* cultivar designated 'Rose Moon' (unpatented). The male parent is the *Torenia* cultivar designated 'TR-1-1372' (unpatented). The new *Torenia* cultivar 'Dantopuremon' was discovered and selected by the inventor, Gabriel Danziger, as a flowering plant within the progeny of the stated cross in a controlled environment in Moshav Mishmar Hashiva, Israel.

Asexual reproduction of the new *Torenia* cultivar by soft tip cuttings was first performed in May of 2001 in Moshav Mishmar Hashiva, Israel, and has demonstrated that the combination of characteristics as herein disclosed for the new cultivar are firmly fixed and retained through successive generations of asexual reproduction. The new cultivar reproduces true to type.

**BRIEF DESCRIPTION OF THE INVENTION**

The following traits have been repeatedly observed and are determined to be unique characteristics of 'Dantopuremon' which in combination distinguish this *Torenia* as a new and distinct cultivar:

1. Shiny green foliage, dotted with plenty of delicate, funnel form, cup shaped flowers in shades of pale violet and white;

**2**

2. Vigorous, bush, cascading, rounded and compact growth habit;
3. Densely branched plant, gracefully cascading from hanging baskets;
4. Early flowering response and stays in full bloom in moderate climate;
5. Suitable for use as an annual for hanging pots outdoors under partial shade; and
6. Good weather tolerance with preferred temperature range of 15° C. to 25° C.

Plants of the new *Torenia* cultivar 'Dantopuremon' differ from plants of the parents, 'Rose Moon' (unpatented) and 'TR-1-1372' (unpatented), in the following characteristics described in Table 1:

**TABLE 1**

Character	New Cultivar 'Dantopuremon'	Female Parent 'Rose Moon' (unpatented)	Male Parent 'TR-1-1372' (unpatented)
Flower color	Pale violet and white	Pink and violet	Pink and white
Flower size (cm)	Length: 3.7 cm Width: 3.0 cm	Length: 3.8 cm Width: 3.0 cm	Length: 3.2 cm Width: 3.0 cm
Growth habit	Bush, cascading	Bush, cascading	Bush, cascading
Flowering time	9 weeks from planting	10 weeks from planting	8 weeks from planting

Of the many commercial cultivars known to the present inventor, the most similar in comparison to the new *Torenia* cultivar 'Dantopuremon' is the parental cultivar *Torenia* cultivar 'Rose Moon', as compared in Table 1.

**BRIEF DESCRIPTION OF THE DRAWINGS**

The accompanying illustrate the overall appearance of the new *Torenia* cultivar 'Dantopuremon' showing the colors as



true as is reasonably possible with colored reproductions of this type. Colors in the photographs may differ slightly from the color values cited in the detailed botanical description which accurately describe the colors of 'Dantopuremon'.

The first photograph shows a side perspective view of a typical flowering plant of 'Dantopuremon' in a hanging planter at 3 months of age.

The second photograph shows a close-up view of the typical flowers, buds and leaves of 'Dantopuremon' at 3 months of age.

#### DETAILED BOTANICAL DESCRIPTION

The new *Torenia* cultivar 'Dantopuremon' has not been observed under all possible environmental conditions. The phenotype of the new cultivar may vary with variations in environment such as temperature, light intensity, and day length without any change in the genotype of the plant.

The aforementioned photographs, together with the following observations, measurements and values describe plants of the new cultivar 'Dantopuremon' as grown in a greenhouse in Moshav Mishmar Hashiva, Israel, under conditions which closely approximate those generally used in commercial practice. For use as a pot plant, plants of 'Dantopuremon' are grown outdoors in a moderate climate and grown indoors during the winter. Irrigation and fertilization are needed on a regular basis. Plants of 'Dantopuremon' are usually grown in full sunlight, but partial shade is required in mid-summer. Plants of 'Dantopuremon' are fully grown in 3 months from planting a cutting in the summer season bloom all year-round in moderate climate.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.), 2001 edition, except where general colors of ordinary significance are used. Color values were taken under daylight conditions at approximately 12:00 noon in May of 2005 in Moshav Mishmar Hashiva Israel. The age of the plant described is 3 months.

#### Classification:

*Botanical.*—*Torenia* sp.

*Commercial.*—Pure Moon.

#### Parentage:

*Female parent.*—*Torenia* cultivar 'Rose Moon.' (unpatented).

*Male parent.*—*Torenia* cultivar 'TR-1-1372' (unpatented).

*Propagation:* Tissue culture (micropropagation of young *in vitro* plantlet) and soft tip cuttings.

#### Plant:

*Form.*—Bush, cascading.

*Growth habit.*—Vigorous, rounded and compact.

*Height.*—15 to 24 cm.

*Spread.*—About 50 cm.

*Blooming period.*—All year round in moderate climate.

*Cold tolerance.*—Frost tender. Temperature below 5° C. may damage plants.

*Vigor.*—Plants are fully-grown in 3 months from planting a cutting in summer.

#### Stem:

*Color.*—Yellow-Green, RHS 144-A.

*Length.*—25 cm maximum length.

*Diameter.*—About 0.3 cm.

*Pubescence.*—Minimal and sporadic; stem is quadrangular, few hairs on the edges.

*Branching.*—Between 5 and 10 main branches grow from the base and split into hundreds of secondary branches.

*Length of internodes.*—3 to 3.5 cm.

#### Foliage:

*Overall shape.*—Deltoid.

*Apex.*—Reniform.

*Base.*—Cordate.

*Size of leaf.*—Width: About 3.3 cm. Length: About 3.8 cm.

*Margin.*—Serrate.

*Color.*—Center color of leaf: Yellow-Green, RHS 146-A. Upper side: Yellow-Green, RHS 146-A. Under side: Yellow-Green, RHS 146-B.

*Leaf texture.*—Pubescent.

#### Venation:

*Pattern.*—Mid-rib splits to 4 to 6 secondary veins.

*Color.*—Upper side: Yellow-Green, RHS 146A. Under side: Yellow-Green, RHS 146B.

#### Petioles:

*Length.*—About 1 cm.

*Diameter.*—About 0.2 cm.

*Color.*—Yellow-Green, RHS 146-B.

#### Flowers:

*Blooming period.*—All year round in moderate climate.

*Flowering stem.*—Flowers appear along the growing stems; commonly about 2 to 5 of flowers on a grown stem (flowering together).

*Flowering longevity.*—About 3 to 7 days on the plant.

*Type.*—Single.

*Shape.*—Funnel form.

*Orientation at opening.*—Slanted upward.

*Fragrance.*—None.

*Flower length.*—About 3.7 cm.

*Flower width.*—About 3.0 cm.

#### Bud:

*Shape.*—Oblong, cylindrical, ellipsoid, 5 winged.

*Size.*—Length: About 1.5 cm. Diameter: About 0.7 cm.

*Color.*—Yellow-green, RHS 144-A.

*Texture.*—Pubescence on winged edges.

#### Floral tube:

*Length.*—About 2.3 cm.

*Color.*—Outside: Purple, RHS 76D, and yellow-orange, RHS 14D. Inside: Purple, RHS 76C, and yellow-orange, RHS 14A.

#### Petals:

*Number.*—Four, fused.

*Length.*—Upper: About 2.3 cm. Sides: About 1.5 cm. Lower: About 1.2 cm.

*Width.*—Upper: About 1.5 cm. Sides: About 1 cm. Lower: About 1.7 cm.

*Shape.*—Corolla tube cylindrical or often broadened above, 2-lipped, the upper lip faintly 2-lobed, the lower lip 3-lobed.

*Apex.*—Rounded.

*Base.*—Fused.

*Margin.*—Undulated.

*Color.*—The upper lip white, lower and side lips pale violet with yellow blotch in middle lower lip.

*Mature.*—Upper Side: Upper lip: white, RHS N155B; lower and side lips: violet, RHS 84B, with yellow blotch in the middle of lower lip, RHS 7A. Under Side: Upper lip: white, RHS N155B; sides and lower; violet, RHS 84B. Margin: Violet, RHS 84A. Throat: Yellow-orange, RHS 14A.

## 5

*Immature.*—Upper Side: Upper lip: white, RHS N155B; lower and side lips: violet, RHS 84A, with yellow blotch in the middle of lower lip, RHS 7A. Under Side: Upper lip: white, RHS N155B; sides and lower: violet, RHS 84A. Margin: Violet, RHS 84B. Throat: Yellow-orange, RHS 14A.

## Sepals:

*Number.*—5.

*Length.*—About 1.7 cm.

*Width.*—About 0.4 cm.

*Shape.*—Two-lobed, 5 winged.

*Apex.*—Acute.

*Base.*—Wedge shaped.

*Margin.*—Undulated.

*Color.*—Yellow-Green, RHS 144-A.

## Peduncle:

*Diameter.*—About 0.2 cm.

*Length.*—About 0.9 cm.

*Texture.*—Smooth.

*Color.*—Yellow-Green, RHS 144-A.

## Reproductive organs:

## Androecium:

*Stamen.*—Number: 2 pairs per flower; fused. Color: White, RHS N155A.

*Anther.*—Length: About 0.4 cm; upper anthers shorter — about 0.3 cm. Width: About 0.05 cm. Color: White, RHS N155A. Spur: Present.

## 6

*Filament.*—Length: About 1.4 cm; lower filaments shorter — about 0.3 cm. Width: About 0.05 cm. Color: White, RHS N155A.

*Pollen.*—Amount: Sparse amount. Color: White, RHS N155C. Requirements for pollination: Young flowers, vital pollen, and receive, open stigma.

## Gynoecium:

*Pistil.*—Number: One per flower. Length: About 2.4 cm.

*Stigma.*—Shape: Two lobes, open to opposite sides, deltoid shape. Length: About 0.25 cm. Width: About 0.3 cm. Color: White, RHS N155B.

*Style.*—Length: About 2 cm. Color: Color, RHS N155B.

*Ovary.*—Number: 1. Length: About 0.5 cm. Width: About 0.2 cm. Color: Green, RHS 143-A.

Seed/fruit: None.

Pest/disease resistance and/or susceptibility: A standard preventative spray program is sufficient as no susceptibility was observed.

Temperature tolerance: Sensitive to temperatures below 5° C.

I claim:

1. A new and distinct *Torenia* plant named 'Dantopuremon', substantially as illustrated and described herein.

\* \* \* \* \*



FIGURE 1





FIGURE 2

