



US00PP12794P2

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

(10) **Patent No.: US PP12,794 P2**
(45) **Date of Patent: Jul. 23, 2002**

(54) **NEMESIA PLANT NAMED ‘PENMYS’**

(76) **Inventor:** **Jimmy Jones**, 14 Avondale Rd.,
Pontneywod Cumrangwent, S. Wales
NP26 3AU (GB)

(*) **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.: 09/728,747**

(22) **Filed: Dec. 2, 2000**

(51) **Int. Cl.⁷** **A01H 5/00**

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

(58) **Field of Search** Plt./263

Primary Examiner—Bruce R. Campell
Assistant Examiner—Annette H. Para

(57) **ABSTRACT**

A new and distinct cultivar of *Nemesia* plant named ‘Pen-
mys’ that is characterized by a profuse display of dark
violet-blue flowers that are uniform, and a more compact
form than others in this color range. In combination these
characteristics set ‘Penmys’ apart from all other existing
varieties of *Nemesia* known to the inventor.

3 Drawing Sheets

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**CROSS-REFERENCES TO RELATED
APPLICATIONS**

This application is related to another application entitled
Nemesia Plant Named ‘Pensug’, having the same inventor
as the present invention.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Nemesia*, that will be referred to hereinafter by the
cultivar name ‘Penmys’. The new *Nemesia* was selected in
Netherwent, Caldicot, South Wales on May 1, 1998 by the
inventor. The parents are of hybrid origin and have not
themselves been released. The first crosses were made in
1997 with plants selected by the inventor from a long term
Nemesia breeding program.

The breeding program involved cross-pollination of *Nem-
esia* hybrids from which seedling selection was based on the
production of a dark blue flowering *Nemesia*, with numer-
ous flowers, uniform flowers, and a compact habit.

The combined characteristics of the new invention ‘Pen-
mys’ are unique. ‘Penmys’ is distinguished from other
existing *Nemesias* by a compact habit, uniform flowers, and
abundant flowers of a dark violet-blue color. The closest
comparison cultivar is ‘Woodcote’ (unpatented), which is
grown in the United Kingdom. ‘Penmys’ is distinguishable
from ‘Woodcote’ (unpatented) by its greater abundance of
flowers and its larger dimensions, ‘Woodcote’ (unpatented)
being only 15 cm. tall when in full flower.

The new cultivar was first asexually propagated by the
inventor on May 1, 1998 in Netherwent, Caldicot, South
Wales, using terminal cuttings. ‘Penmys’ has been found to
be true to type after many cycles of vegetative cuttings from
1998 to the present.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and
represent the distinguishing characteristics of the new inven-
tion. ‘Penmys’ is free-flowering, with dark violet-blue, uni-
form flowers and a more compact habit than other *Nemesias*
in this color range. In combination these traits distinguish
‘Penmys’ from all other existing varieties of *Nemesia* known
to the inventor.

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BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying color photographs illustrate the over-
all appearance of the new cultivar.

Sheet 1 illustrates the entire plant and habit.

Sheet 2 is a close-up view of the flowers.

Sheet 3 illustrates a stem with leaves and flowers. All
photographs are taken of plants grown in two-gallon con-
tainers. The prints were made using conventional photo-
graphic techniques and although colors may appear different
from actual colors due to light reflectance, they are as
accurate as possible by conventional photography.

BOTANICAL DESCRIPTION OF THE PLANT

The following is a detailed description of the *Nemesia*
cultivar named ‘Penmys’. Data was collected in Arroyo
Grande, Calif. from 9-month-old plants grown in two-gallon
containers. Phenotypic differences may be observed with
variations in environmental, climatic, and cultural condi-
tions. The color determinations are in accordance with The
Royal Horticultural Society Colour Chart except where
general color terms of ordinary dictionary significance are
used. The growing requirements are similar to other *Nem-
esias* and ‘Penmys’ is resistant to common pests and dis-
eases.

Botanical classification: *Nemesia* hybrid.

Common name: *Nemesia*.

Use: Bedding and patio plant or hanging basket.

Parentage: Both parents are unnamed *Nemesia* hybrids.

Propagation: Tip cuttings.

Growth habit: Compact and mounding growth habit.

Form: Erect and upright.

Branching habit: Ascending, freely branching.

Plant dimensions: 54 cm. in height by 30 cm. in width.

Type: Vegetative annual.

Time to initiate roots: Approximately 16 days at tempera-
tures of 21° Centigrade.

Time to develop roots: Approximately 28 days at tempera-
tures of 21° Centigrade.

Rooting habit: Numerous and fine.

Vigor: Moderate.

Hardiness: USDA Zone 9.

Stem:

Stem shape.—Quadrilateral.

Stem surface.—Glabrous.

Stem color.—137C.

Stem texture.—Flexible with corner ridges and occasional flexuose stems.

Internode length.—4 cm. to 6 cm. between nodes.

Foliage:

Leaf shape.—Lanceolate.

Leaf division.—Simple.

Apex.—Acute.

Base.—Acuminate.

Margins.—Slightly serrate with rounded serrate tips.

Texture.—Flexible and glossy.

Surface.—Glabrous.

Arrangement.—Single, opposite and generally symmetrical.

Lateral branch length.—10 cm. in length.

Lateral branch width.—3 mm. in width.

Number of leaves per lateral branch.—Approximately nine leaves per lateral branch.

Petiole length.—Approximately 4 mm. in length.

Petiole width.—Approximately 1.5 mm. in width.

Petiole color.—137B.

Leaf color upper surface (mature).—139A.

Leaf color lower surface (mature).—137C.

Leaf color upper surface (young).—137B.

Leaf color lower surface (young).—138B.

Venation upper surface.—Three prominent and depressed.

Venation lower surface.—Three prominent and protruding.

Vein color (upper surface).—139A.

Vein color (lower surface).—137C.

Flowers:

Flowering season.—Spring through late autumn.

Flowering time.—Diurnal.

Fragrance.—Faint perfume scent.

Self-cleaning or persistent.—Self-cleaning.

Flower length.—2 cm. in length.

Flower diameter.—1.5–2 cm. in diameter.

Type.—Terminal inflorescence.

Habit.—Cluster.

Quantity of flowers.—Floriferous, approximately 10 to 12 flowers per terminal cluster.

Petals.—Four petals fused at base and basal fifth bi-labiate petal modified with nectar spur.

Petal length.—Fused petals are 1.2 cm. in length and fifth petal is 1 cm. in length.

Petal width.—Fused petals are 2 cm. in width and fifth petal is 1 cm. in width.

Flower shape.—Personate.

Palate color.—1A.

Palate dimensions.—3 mm. in length by 2 mm. in width.

Surface.—Smooth.

Petal margin.—Entire.

Petal color (upper surface).—90A and 88B.

Petal color (lower surface).—90D.

Peduncle length.—3 cm. in length.

Peduncle width.—1 mm. in width.

Peduncle surface.—Stipitate glandular surface.

Peduncle texture.—Slender and flexible, while strong enough to hold flowers.

Peduncle color.—138A.

Calyx shape.—Five-lobed.

Calyx length.—Approximately 3 mm. in length.

Calyx diameter.—Approximately 6 mm. in diameter.

Sepal shape.—Linear.

Sepal apex.—Acute.

Sepal margin.—Entire.

Sepal surface.—Stipitate glandular.

Sepal color.—Upper and lower surfaces 139B.

Flower longevity.—Flowers last 2–3 weeks.

Reproductive organs (Androecium) visible when retracting palate:

Stamen number.—Two in number.

Anther size.—Less than 0.5 mm. in length and width.

Anther color.—1A.

Pollen color.—1A.

Amount of pollen.—Low.

Reproductive organs (Gynoecium) visible when retracting palate:

Pistil color.—149D.

Style length.—Approximately 5 mm. in length.

Seed production:

Quantity of seed.—15 fertile seeds per capsule.

Quantity of capsules.—20 per flowering spike.

Capsule dimensions.—12 mm. in length and 7 mm. in width.

Capsule color.—177D.

Capsule surface.—Glossy.

Appearance of seed.—Flattened and winged.

Seed color.—200D and wing 156D.

Shape of seed.—Oval.

Seed dimensions.—3 mm. in length and 2.5 mm. in width.

I claim:

1. A new and distinct cultivar of *Nemesia* plant named 'Penmys' as described and illustrated.

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