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

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(54) **NEMESIA PLANT NAMED ‘PENSUG’**  
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patent is extended or adjusted under 35  
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(57) **ABSTRACT**  
A new and distinct cultivar of Nemesia plant named ‘Pen-  
sug’ that is characterized by uniform and abundant  
flowering, pure-white fragrant flowers, and a compact habit,  
setting it 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 ‘Penmys’, 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 ‘Pensug’. 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, but are intermediate seedlings in  
the selection process. The first crosses were made in South  
Wales by the inventor in 1997 with plants selected from a  
long term Nemesia breeding program.  
Breeding was carried out by cross pollination of Nemesia  
hybrids and seedling selection was made on the basis of  
producing a white flowering Nemesia with numerous  
flowers, scented flowers, uniform flowers and compact  
habit.  
The combined characteristics of the new invention ‘Pen-  
sug’ are unique. ‘Pensug’ is distinguished from all other  
cultivars, in this color range, by its abundant pure-white,  
scented and uniform flowers and its compact habit, making  
‘Pensug’ more fragrant, compact, and uniform in flowering  
than any other white variety. The closest comparison cultivar  
is Nemesia ‘Innocence’ (unpatented). The new cultivar is  
distinct from ‘Innocence’ (unpatented) in its profuse  
flowering, larger flower, upright habit and greater height.  
‘Pensug’ was first asexually propagated by the inventor on  
May 1, 1998 in Netherwent, Caldicot, South Wales and has  
been found to be true to type after many cycles of vegetative  
cuttings since that time.

**SUMMARY OF THE INVENTION**  
The following traits have been repeatedly observed and  
represent the distinguishing characteristics of the new Nem-  
esia cultivar. ‘Pensug’ is fragrant, more floriferous, more  
compact in habit and more uniform in flowering than any  
other white Nemesia. ‘Pensug’ is distinct from ‘Innocence’  
in its taller, more upright habit and larger pure white flowers.

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In combination these attributes distinguish this cultivar from  
all other existing varieties known to the inventor.  
**BRIEF DESCRIPTION OF THE DRAWINGS**  
The accompanying color photographs illustrate the over-  
all appearance of the new cultivar.  
Sheet 1 illustrates the habit and flowering.  
Sheet 2 compares ‘Innocence’ (unpatented) on the left to  
‘Pensug’ on the right.  
Sheet 3 shows a close-up view of the flowers. All pho-  
tographs are taken of plants grown in two-gallon containers.  
The prints were made using conventional photographic  
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 ‘Pensug’. 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 ‘Pensug’ is resistant to common pests and disease.  
Botanical classification: Nemesia hybrid.  
Common name: Nemesia.  
Use: Bedding, patio plant or hanging basket.  
Parentage: Intermediate Nemesia seedlings from unnamed  
hybrids used in the selection process.  
Propagation: Tip cuttings.  
Plant habit: Erect and upright.  
Form: Dense and compact.  
Branching habit: Freely branching with lateral branches and  
secondary laterals.  
Dimensions of plant: 54 cm. in height and 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.

Special needs: Root cuttings on bottom heat at approximately 19° Centigrade in greenhouse.

Vigor: Moderate.

Hardiness: USDA Zone 9.

Stem:

*Stem shape*.—Quadrilateral.

*Stem surface*.—Glabrous.

*Stem color*.—137C.

*Stem texture*.—Flexible and has corner ridges.

*Internode length*.—2 cm. to 5 cm. between nodes.

Foliage:

*Leaf shape*.—Lanceolate.

*Leaf division*.—Simple.

*Apex*.—Acute.

*Base*.—Acuminate.

*Margins*.—Slightly serrate.

*Texture*.—Flexible, smooth and dull.

*Surface*.—Glabrous.

*Arrangement*.—Single, opposite and generally symmetrical.

*Lateral branch length*.—10 cm. to 14 cm. in length.

*Lateral branch width*.—2 mm. in width.

*Number of leaves per lateral branch*.—Approximately 10 to 12 leaves.

*Petiole length*.—Approximately 3 mm. to 4 mm. in length.

*Petiole width*.—Approximately 1 mm. in width.

*Petiole color*.—138A,B.

*Leaf color upper surface (mature)*.—137B.

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

*Leaf color upper surface (young)*.—137A.

*Leaf color lower surface (young)*.—137B.

*Venation upper surface*.—Mid-vein slightly depressed.

*Venation lower surface*.—Mid-vein slightly protruding.

*Color of vein (upper surface)*.—137B.

*Color of vein (lower surface)*.—137C.

Flowers:

*Flowering season*.—Spring to late autumn.

*Fragrance*.—Pungent honeysuckle-like scent.

*Self-cleaning or persistent*.—Self-cleaning.

*Flower length*.—1.5 cm. in length.

*Flower diameter*.—1.5 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 and fifth petal are both 9 mm. in length.

*Petal width*.—Fused petals 1.5 cm in width and fifth petal 1.25 cm. in width.

*Surface*.—Smooth.

*Flower shape*.—Personate with cleft in middle of palate.

*Flowering time*.—Diurnal.

*Palate color*.—2A.

*Palate dimensions*.—3 mm. in length and 2 mm. in width.

*Petal margins*.—Entire.

*Petal color (upper surface)*.—155D.

*Petal color (lower surface)*.—155D.

*Peduncle length*.—3.5 cm. in length.

*Peduncle width*.—2 mm. in width.

*Peduncle texture*.—Flexible and slender.

*Peduncle color*.—144A.

*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*.—Slightly pubescent.

*Sepal color*.—138B.

*Flower longevity*.—Flowers last 2–3 weeks.

Reproductive organs (Androecium) only visible when retracting palate:

*Stamen number*.—Two in number.

*Anther dimensions*.—Less than 1 mm. in length and width.

*Anther color*.—160B.

*Pollen color*.—160B.

*Amount of pollen*.—Low.

Reproductive organs (Gynoecium) only visible when retracting palate.

*Pistil dimensions*.—Approximately 1 mm. in length and width.

*Style dimensions*.—Approximately 1 mm. in length and width.

*Style color*.—144A.

*Stigma color*.—144A.

*Ovary color*.—155D.

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 'Pensug' as described and illustrated.

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