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

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(54) **CATHARANTHUS PLANT NAMED ‘CARZ0004’**

(50) Latin Name: *Catharathus roseus*
Varietal Denomination: **CARZ0004**

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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.

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A01H 6/08 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./263.1**

(58) **Field of Classification Search**
USPC Plt./263.1
See application file for complete search history.

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(57) **ABSTRACT**

‘CARZ0004’ is a product of a planned breeding program. The new cultivar ‘CARZ0004’ has medium sized blush and pink colored flowers, moderate plant size and uniform mounding and somewhat spreading habit with medium green foliage.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed:
Catharanthus roseus.

DETAILED DESCRIPTION

Catharanthus variety ‘CARZ0004’ disclosed in the present application has shown uniformity and stability, as described in the following section. *Catharanthus* variety ‘CARZ0004’ disclosed in the present application has been asexually reproduced a sufficient number of generations with careful attention to uniformity of plant type and has been increased with continued observation. for uniformity.

ORIGIN OF ‘CARZ0004’

‘CARZ0004’ is a product of a planned breeding program. The new cultivar ‘CARZ0004’ has medium sized blush and pink colored flowers, moderate plant size and uniform mounding and somewhat spreading habit with medium green foliage.

‘CARZ0004’ originates from a planned hybridization in an indoor greenhouse in October 2017 in Gilroy, California. The female parent was identified as ‘CATFH2518-1S’, having medium flowers of blush and pink color, upright habit, and being pollen sterile compared to ‘CARZ0004’. The male parent was identified as ‘CATFH2518-2’, having flowers of blush and pink color and upright habit, in contrast to ‘CARZ0004’.

The seed was sown in May 2018 in a greenhouse in Gilroy, California. ‘CARZ0004’ was selected as a single flowering plant within the progeny of the stated cross in October 2018.

The first act of asexual reproduction of ‘CARZ0004’ was accomplished when vegetative cuttings were propagated from the initial selection in January 2019 in a greenhouse in Gilroy, California.

Horticultural examination of plants grown from cuttings of the original plant in January 2019, in Gilroy, California, and continuing thereafter, has demonstrated that the combi-

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nation of characteristics as herein disclosed for ‘CARZ0004’ are firmly fixed and are retained through successive generations of asexual reproduction.

‘CARZ0004’ has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity, disease exposure, and day length.

The plant descriptions and measurements were taken in Gilroy, California in April 2024. The plants were approximately 14 weeks old and were growing in 4.5" pots in a greenhouse.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY ‘CARZ0004’ AND A MOST SIMILAR VARIETY		
	‘CARZ0004’	‘Titan™ Blush’, ‘PAS336357’
Flower color:	Blush color on outer edge of petals with pink color on inner part of petals with a pink eye	Medium pink color on outer petals with medium-small sized dark pink center
Disease resistance:	Known disease resistance to <i>Phytophthora nicotianae</i>	No known disease resistance to <i>Phytophthora nicotianae</i>
Plant habit:	Mounded and somewhat spreading	Mounded and compact

BRIEF DESCRIPTION OF THE FIGURES

FIG. 1 shows a close view of an inflorescence. Taken on Sep. 7, 2021 in Gilroy, CA.

FIG. 2 shows a whole flowering plant. Taken on Sep. 17, 2024 in Monroeville, NJ.

The plant descriptions and measurements were taken in Gilroy, California in April 2024. The plants were approximately 14 weeks old and were growing in a 4.5" pots in a greenhouse. The color descriptions are in reference to The R.H.S. Colour Chart, Sixth Edition.

Plant:

Form, growth and habit.—Semi-woody, grown as an annual; mounding and somewhat spreading habit; very well branched.

Plant height.—24 cm.

Plant height (inflorescence included).—25 cm.

Plant width.—30 cm.

USDA Hardiness.—10-11.

Roots:

Description.—Fibrous, freely branching.

Habit.—Taproot with smaller, branching lateral roots.

Color.—Closest to RHS NN 155C.

Foliage:

Type.—Opposite.

Immature, leaf color, upper surface.—Closest to RHS 144A.

Lower surface.—Closest to RHS 146B.

Mature, leaf color, upper surface.—Closest to RHS 141A.

Lower surface.—Closest to RHS 143A.

Vein color, upper surface.—Closest to RHS 145A.

Vein color, lower surface.—Closest to RHS 145D.

Length.—10.0-13.0 cm.

Width.—2.5-4.5 cm.

Shape.—Ovate.

Base shape.—Acute.

Apex shape.—Acuminate.

Margin.—Entire.

Texture, upper.—Smooth.

Texture, lower surface.—Smooth.

Pattern of veining.—Pinnate.

Petioles color.—Closest to RHS 142B.

Petioles length.—0.4-1.4 cm.

Diameter of petiole.—0.20 cm.

Texture (upper and lower surface).—Smooth.

Stem:

Color of stem.—Closest to RHS 142B.

Length of stem.—20-25 cm.

Diameter.—0.4-0.6 cm.

Length of internodes.—3.0-6.5 cm.

Texture.—Smooth.

Average number of stems.—4-8.

Inflorescence:

Type.—Panicle.

Blooming habit.—Flowers continuously from spring through fall.

Number of open flowers per inflorescence.—About 2-6.

Quantity of inflorescences per plant.—About 24-36.

Lastingness of individual blooms on the plant.—About 2 weeks (depending on temperatures).

Fragrance.—Rose.

Flower:

Arrangement.—Arising from upper leaf axils, freely flowering, facing upwards and outwards.

Floret form.—Salverform, tube with disc of petals.

Length of floret.—6.1 cm.

Width of floret.—6.1 cm.

Depth of floret.—2.8 cm.

Peduncle length.—0.3 cm.

Peduncle diameter.—0.2 cm.

Peduncle texture.—Smooth.

Peduncle color.—RHS 141C.

Petal arrangement.—Overlapping.

Petal number.—5.

Petal shape.—Obovate.

Petal length.—2.9 cm.

Petal width.—3.0-3.6 cm.

Petal zone diameter.—0.6-1.2 cm.

Young floret, color upper surface.—RHS N57A on outer edge of petals, RHS 62B on inner edge of petals.

Petal eye zone diameter.—0.6-1.2 cm.

Young floret, color lower surface.—RHS 69A.

Mature florets, color upper surface.—RHS N57A on outer edge of petals, RHS 62B on inner edge of petals.

Mature floret, color lower surface.—RHS 69A.

Apex shape.—Cuspidate.

Degree of lobation.—Deep.

Margin.—Crenate.

Base.—Fused.

Texture, upper surface.—Smooth.

Lower surface.—Smooth.

Tube, color outer surface.—Closest to RHS 145C.

Tube, color inner surface.—Closest to RHS 145C.

Tube, length.—2.5-3.0 cm.

Tube, diameter (at opening).—0.20 cm.

Tube, texture outer surface.—Smooth.

Inner surface.—Smooth.

Bract number per flower.—0.

Sepal number per flower.—5.

Sepal shape.—Lanceolate.

Sepal margin.—Smooth.

30 Bud (just before opening):

Color.—RHS 69D.

Length.—1.8 cm.

Width.—0.6 cm at the widest point.

Shape.—Tubular.

35 Bract:

Color.—Closest to RHS 145B.

Length.—0.7-1.1 cm.

Diameter.—0.15-0.2 cm.

Texture, upper surface.—Hirsute.

40 *Lower surface.*—Hirsute.

Calyx:

Number of sepals.—5, fused sepals forming a short tube around the base of the floret.

Color of sepals.—RHS 145A.

Length of sepals.—0.2-0.3 cm.

Width of sepals.—0.1 cm.

Apex shape.—Obtuse.

Apex margins.—Entire.

Texture, outer surface.—Pubescent.

Inner surface.—Glabrous.

Reproductive organs:

Gynoecium:

Pistil quantity.—One.

Length.—0.35 cm.

Style color.—RHS 159D.

Style length.—0.2 cm.

Stigma color.—RHS 145C.

Ovary color.—RHS 144A.

Ovary length.—0.1 cm.

60 *Ovary diameter.*—0.05 cm.

Androecium:

Stamen quantity.—4.

Color of filaments.—RHS 159D.

Length filaments.—0.05 cm.

Anther color.—RHS 164A.

65 *Length of anthers.*—0.1 cm.

Color of pollen.—RHS 10D.
Pollen amount.—Normal.
Fertility/seed set.—Moderate.
Typical seed number.—10-20.
Seed length.—0.3 cm.
Seed width.—0.1-0.2 cm.
Seed color.—RHS 203A.

Disease/pest resistance.—Exhibits strong resistance to
aerial *Phytophthora* (*Phytophthora nicotianae*).
Insect pest resistance not observed.
What is claimed is:
1. A new and distinct cultivar of *Catharanthus* plant
named ‘CARZ0004’, substantially as illustrated and
described herein.

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FIG. 1

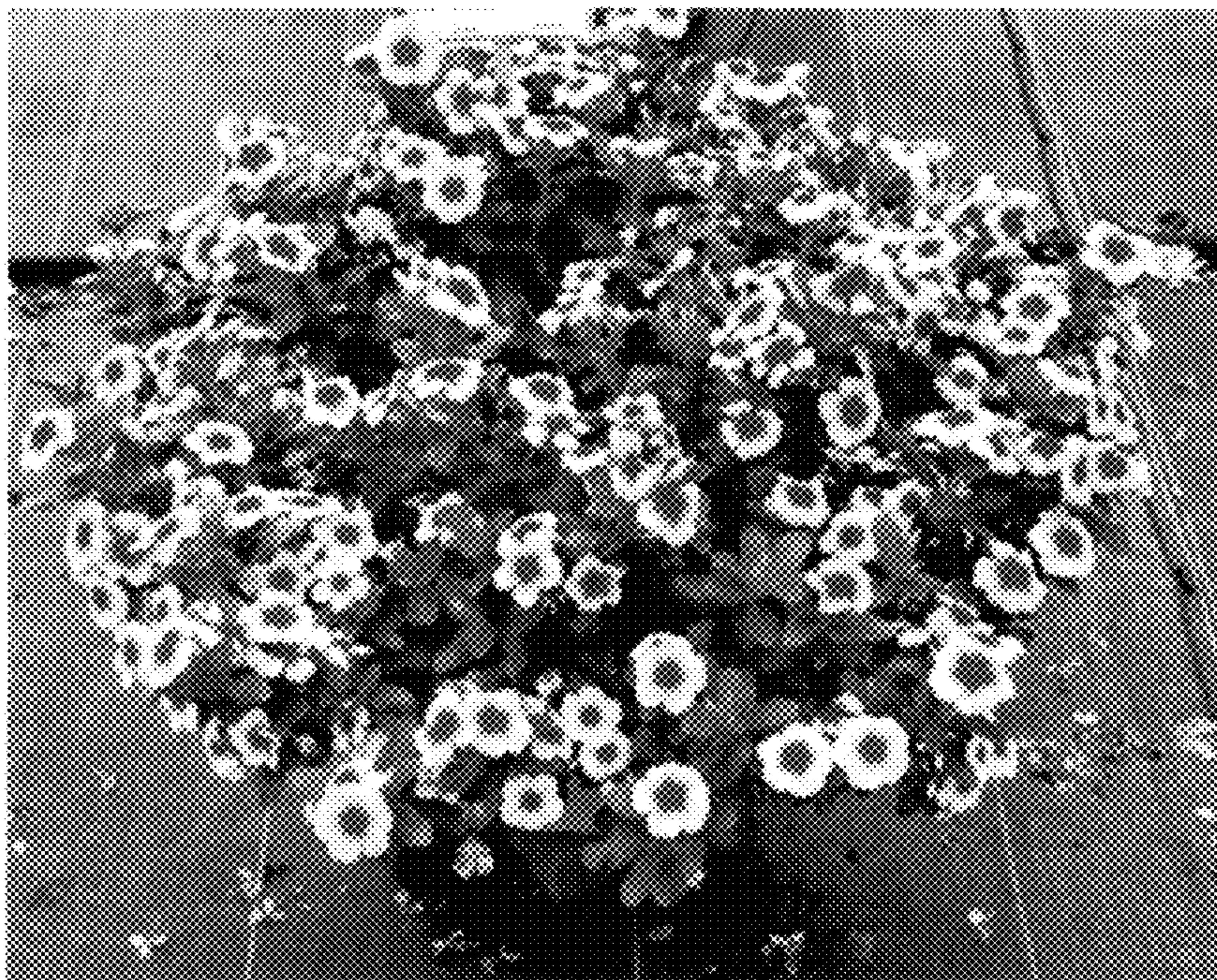


FIG. 2