



US00PP34921P2

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

(10) **Patent No.:** **US PP34,921 P2**

(45) **Date of Patent:** **Jan. 17, 2023**

(54) **MANDEVILLA PLANT NAMED ‘MANZ0024’**

(50) Latin Name: *Mandevilla sanderi*
Varietal Denomination: **MANZ0024**

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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.

(21) Appl. No.: **17/888,651**

(22) Filed: **Aug. 16, 2022**

(51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/08 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./232**
CPC *A01H 6/088* (2018.05)

(58) **Field of Classification Search**
USPC Plt./232
CPC *A01H 5/02; A01H 5/00*
See application file for complete search history.

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(57) **ABSTRACT**

A new *Mandevilla* plant named ‘MANZ0024’ particularly distinguished by its medium sized dark rose-pink flowers, glossy and smooth dark green foliage, bushy plant habit with a tendency to produce vines under low light growing conditions and with excellent branching and flower production and fast flowering response.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed: *Mandevilla sanderi* (Hemsl.) Woodson.
Varietal denomination: ‘MANZ0024’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new *Mandevilla*, botanically known as *Mandevilla sanderi*, and hereinafter referred to by the variety name ‘MANZ0024’.

‘MANZ0024’ is a product of a planned breeding program. The new cultivar has medium sized dark rose-pink flowers, glossy and smooth dark green foliage, bushy plant habit with a tendency to produce vines under low light growing conditions and with excellent branching and flower production and fast flowering response.

‘MANZ0024’ originates from a hybridization made in a controlled breeding program in Amatitlan, Guatemala. The pollinations were made in 2013.

The female parent was an unpatented, proprietary plant identified as ‘DIP-064’ and having light pink flowers, a more compact plant habit and smaller darker foliage.

The male parent of ‘MANZ0024’ was an unpatented, proprietary plant identified as ‘DIP-022’, with dark rose-pink flower color, larger lighter green foliage and larger flower size.

The resulting seeds were sown in March 2015 and ‘MANZ0024’ was selected as one flowering plant within the progeny of the stated cross in January 2016 in a greenhouse in Gilroy, Calif.

The first act of asexual reproduction of ‘MANZ0024’ was accomplished when vegetative stem cuttings were propagated from the initial selection in March 2016 in a controlled environment in Gilroy, Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings of the plant initiated in June 2016 in Gilroy, Calif., and

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continuing thereafter, has demonstrated that the combination of characteristics as herein disclosed for ‘MANZ0024’ are firmly fixed and are retained through successive generations of asexual reproduction.

‘MANZ0024’ has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity and day length.

A Plant Breeder’s Right for this cultivar has not yet been applied for. ‘MANZ0024’ has not been made publicly available prior to the effective filing date of this application, notwithstanding any disclosure that may have been made less than one year prior to the effective filing date of this application by the inventor or another who obtained ‘MANZ0024’ directly from the inventor.

The following traits have been repeatedly observed and are determined to be basic characteristics of the new variety. The combination of these characteristics distinguishes this *Mandevilla* as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawings show typical flower and foliage characteristics of ‘MANZ0024’ with colors being as true as possible with an illustration of this type.

The photographic drawings show in FIG. 1, a flowering potted plant of the new variety and in FIG. 2, a close-up of the flowers.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs were taken in February 2022 in Miami, Fla. The plants were growing in quart pots outdoors. They were about 6 months in age.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'MANZ0024' AND A SIMILAR VARIETY		
	'MANZ0024'	'FISRIX PINKA', U.S. Plant Pat. No. PP20,644
Flower color:	Darker rose pink	Medium pink
Plant habit:	More compact	compact
Flowering response:	Faster	Slower

Plant:

Form, growth, and habit.—Perennial or sub-shrub, herbaceous younger stems, woody at base of older stems, semi-upright, with moderate tendency of developing vines depending on season and light intensity. Time for producing a commercial, flowering plant approximately is 20 weeks for one plant in a quart size container.

Plant height.—23 cm.

Plant height (inflorescence included).—24 cm.

Plant width.—25 cm.

Roots:

Number of days to initiate roots.—About 16-20 days at about 22 degrees C.

Number of days to produce a rooted cutting plant.—5 weeks at about 22 degrees C.

Type.—Fibrous, a little fleshy, free branching.

Color.—RHS 155D.

Foliage:

Arrangement of leaves.—Simple leaf, opposite and decussate.

Immature leaf, color upper surface.—RHS 137B.

Immature leaf, color lower surface.—RHS 138A.

Mature leaf, color upper surface.—RHS 139A.

Mature leaf, color lower surface.—RHS 137A.

Length.—5.7-7.7 cm.

Width.—3.9-4.8 cm.

Shape.—Ovate.

Base shape.—Rounded.

Apex shape.—Cuspidate to acuminate.

Margin.—Entire.

Texture, upper surface.—Smooth, glossy, glabrous.

Texture, lower surface.—Smooth, glossy, glabrous.

Pattern of leaf veins.—Pinnate.

Color of veins, upper surface.—RHS 144A.

Color of vein (midrib), lower surface.—RHS 145C.

Petiole color.—RHS 144A.

Length.—0.9-1.6 cm.

Diameter.—0.2 cm.

Petiole, texture.—Glabrous.

Stem:

Branching characteristics.—Moderately free branching.

Quantity of main branches per plant.—3-4.

Color of stem.—Closest to RHS 137D.

Length of stem.—20-22 cm.

Diameter (at about mid-point).—0.3 cm.

Length of internodes.—1.5-4.8 cm.

Stem, texture.—Smooth and glabrous.

Inflorescence:

Type of inflorescence.—Raceme of several flowers, emerging from nodes of the stem.

Number of flowers per inflorescence.—3-5.

Blooming habit.—Continuously through the summer months.

Quantity of inflorescences per plant.—About 5 in various stages of development.

Length.—13 cm.

Width.—12.5 cm.

Lastingness of individual blooms on the plant.—Approximately 8-10 days, depending on temperature.

Fragrance.—Absent.

Peduncle.—

Color.—Green, RHS 137D.

Length.—3.0-5.5 cm.

Diameter.—0.25 cm.

Texture.—Smooth, glabrous, somewhat glossy.

Bud (just before opening/showing color):

Color.—Closest to RHS 53A with irregular tones of RHS 185B.

Length.—6.2 cm.

Width.—1.4 cm.

Shape.—Elongated, spindle shape.

Immature flower:

Diameter.—6.0 cm.

Vertical diameter.—About 7.4 cm.

Color upper surface.—Between RHS 46B and RHS 53C.

Color lower surface.—RHS 46B with tones of RHS 46D.

Mature flower:

Shape.—Funnel form, funnel shaped base, formed by 5 partly fused petals, with the petal lobes opening outwards, and a little overlapping.

Flower, horizontal diameter.—6.8-7.1 cm.

Flower, vertical diameter.—About 6.5 cm.

Flower, diameter of the funnel.—1.5 cm.

Flower color, general.—Dark rose pink.

Flower color, upper surface.—RHS 46C overlain with RHS 53B.

Flower color, lower surface.—Closest to RHS 51A.

Color of the funnel, inner side.—RHS 186C with shades of RHS 180D.

Color of the funnel, outside.—Closest to RHS 51A closest to the funnel opening, RHS 157A at the base.

Petal, shape.—Roughly ovate, asymmetric.

Petal apex shape.—Cuspidate.

Petal base shape.—Fused.

Petal margin.—Mainly entire and mildly undulate.

Petal length, from the corolla opening.—3.1 cm.

Petal width, maximum.—2.7 cm.

Corolla, texture of upper surface.—Glabrous, papillose.

Corolla, texture of lower surface.—Glabrous, papillose.

Pedicel, color.—Light green, RHS 145B.

Length.—1.9 cm.

Diameter.—0.25 cm.

Pedicel, texture.—Smooth, glabrous.

Calyx:

Form.—5 sepals, closely attached to the base of the flower.

Color, visible outer surface.—RHS 145C.

Length.—1.1 cm.

Width.—0.4 cm.

Shape.—Subulate.

Apex shape.—Acute.

Base.—Fused.

Margins.—Entire.

Texture, upper surface.—Glabrous.

Reproductive organs:

Gynoecium:

Pistil.—1, with a 5-lobed stigma.

Style length.—2.7 cm.

Diameter.—0.05 cm.

Style color.—RHS 145D.

Stigma color.—RHS 144B.

Stigma shape.—Five lobed.

Ovary color.—RHS 144B.

Androecium:

Stamens.—5, surrounding the style and stigma.

Filaments.—Fused with the base of the flower.

Anther.—Elongated.

Anther color.—RHS 159B.

Anther length.—1.0 cm.

Color of pollen.—RHS 4D.

Pollen amount.—Moderate.

5 Fertility/seed set: Has not been observed on this hybrid.

Disease/pest resistance: Has not been observed on this hybrid.

What is claimed is:

10 1. A new and distinct variety of *Mandevilla* plant named 'MANZ0024' substantially as illustrated and described herein.

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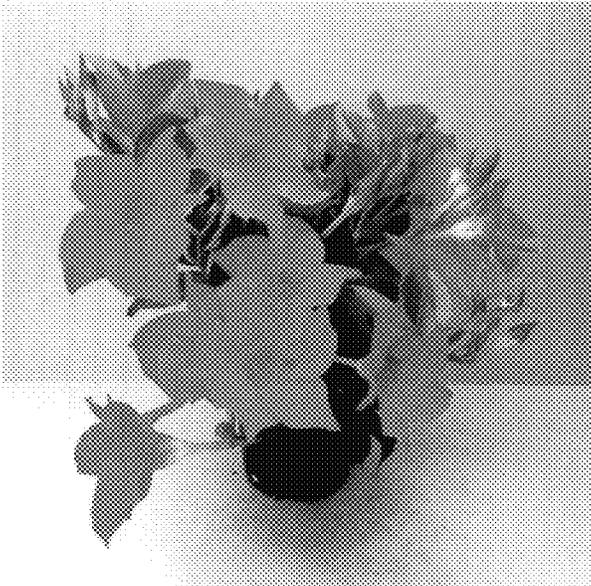


FIG. 1



FIG. 2