



US00PP29322P3

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

(10) **Patent No.:** **US PP29,322 P3**

(45) **Date of Patent:** **May 29, 2018**

(54) **MANDEVILLA PLANT NAMED ‘MANZ0002’**

(50) Latin Name: *Mandevilla sanderi* (Hemsl.)
Woodson
Varietal Denomination: **MANZ0002**

(71) Applicant: **SYNGENTA PARTICIPATIONS AG**,
Basel (CH)

(72) Inventor: **Wendy R. Bergman**, Gilroy, CA (US)

(73) Assignee: **Syngenta Participations AG**, Basel
(CH)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 20 days.

(21) Appl. No.: **14/999,831**

(22) Filed: **Jul. 6, 2016**

(65) **Prior Publication Data**
US 2018/0014445 P1 Jan. 11, 2018

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

(52) **U.S. Cl.**
USPC **Plt./232**
CPC **A01H 5/02** (2013.01)

(58) **Field of Classification Search**
USPC **Plt./232**
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

UPOV hit on *Mandevilla* plant named ‘Manz0002’, CA PBR
15-8598, filed Apr. 10, 2015.*

* cited by examiner

Primary Examiner — Anne Marie Grunberg
(74) *Attorney, Agent, or Firm* — Dale Skalla

(57) **ABSTRACT**

A new *Mandevilla* plant named ‘MANZ0002’ particularly
distinguished by its large dark red flowers, glossy and
smooth medium green foliage, bushy plant habit with a
tendency to produce vines under low light growing condi-
tions and with excellent branching and flower production.

1 Drawing Sheet

1

Latin name of the genus and species of the plant claimed:
Mandevilla sanderi (Hemsl.) Woodson.
Varietal denomination: ‘MANZ0002’.

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 ‘MANZ0002’.

‘MANZ0002’ is a product of a planned breeding program.
The new cultivar has large dark red flowers, glossy and
smooth medium green foliage, bushy plant habit with a
tendency to produce vines under low light growing condi-
tions and with excellent branching and flower production.

‘MANZ0002’ originates from a hybridization made in a
controlled breeding program in Hilscheid, Germany. The
pollinations were made in 2007.

The female parent was an unpatented, proprietary plant
identified as ‘Rio White’ (‘K05-2007-1’) with white flower
color and large flower size.

The male parent of ‘MANZ0002’ was an unpatented,
proprietary plant identified as ‘K04-1263-32’ with red
flower color and a vining habit.

The resulting seeds were sown in March 2010 and
‘MANZ0002’ was selected as one flowering plant within the
progeny of the stated cross in December 2010 in a green-
house in Gilroy, Calif.

The first act of asexual reproduction of ‘MANZ0002’ was
accomplished when vegetative cuttings were propagated
from the initial selection in January, 2011 in a controlled
environment in Gilroy, Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings
of the plant initiated in May 2011 in Gilroy, Calif., and

2

continuing thereafter, has demonstrated that the combination
of characteristics as herein disclosed for ‘MANZ0002’ are
firmly fixed and are retained through successive generations
of asexual reproduction.

‘MANZ0002’ has not been observed under all possible
environmental conditions. The phenotype may vary signifi-
cantly with variations in environment such as temperature,
light intensity and day length.

A Plant Breeder’s Right for this cultivar was applied for
in Canada on Apr. 10, 2015, No. 15-8598. ‘MANZ0002’ 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 ‘MANZ0002’ 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 ‘MANZ0002’ 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 June 2016 in
Gilroy, Calif. The plants were growing in 11 cm pots on
benches in a greenhouse. They were about 5 months in age.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'MANZ0002' AND A SIMILAR VARIETY		
	'MANZ0002'	'FISRIX REDTWO' ('Rio Deep Red') not patented
Flower size:	Larger	Smaller
Flower color:	Does not fade	Fades
Foliage:	Larger	Smaller
Plant size or habit:	Larger, more vigorous	Smaller, less vigorous

Plant:

Form, growth and habit.—Perennial or sub-shrub, herbaceous younger stems, woody at base of older stems, spreading, semi-upright, with moderate tendency of developing vines depending on season and light intensity. Time for producing a commercial, flowering plant approximately is 12 weeks for one plant in a quart size container.

Plant height.—50 cm.

Plant height (inflorescence included).—50 cm.

Plant width.—38 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 N155D.

Foliage:

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

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

Immature leaf, color lower surface.—RHS 146C with some anthocyanin overlay.

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

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

Length.—7.5-8.5 cm.

Width.—4.3-5.5 cm.

Shape.—Ovate.

Base shape.—Attenuate.

Apex shape.—Cuspidate.

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 141D.

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

Petiole color.—RHS 141D.

Length.—1.2-1.8 cm.

Diameter.—0.20 cm.

Petiole, texture.—Glabrous.

Stem:

Branching characteristics.—Moderately free branching.

Quantity of main branches per plant.—3-5.

Color of stem.—RHS 144A.

Length of stem.—70-90 cm.

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

Length of internodes.—7-10 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.—5-12.

Blooming habit.—Continuously through the summer months.

Quantity of flowers per plant.—About 25 in various stages of development.

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

Fragrance.—Absent.

Peduncle:

Color.—Green, RHS 144A.

Length.—5.0-7.0 cm.

Diameter.—0.3 cm.

Texture.—Smooth, glabrous, somewhat glossy.

Bud (just before opening/showing color):

Color.—RHS 53A at the tip, the base is 158C.

Length.—9.0-9.5 cm.

Width.—1.7-2 cm.

Shape.—Elongated, spindle shape.

Immature flower:

Diameter.—7.5 cm.

Vertical diameter.—About 8.0 cm.

Color upper surface.—RHS 53A.

Color lower surface.—RHS 46A.

Mature flower:

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

Flower, horizontal diameter.—9.0 cm.

Flower, vertical diameter.—About 8.0 cm.

Flower, diameter of the funnel.—1.8 cm.

Flower color, general.—Dark red, and with little fading.

Flower color, upper surface.—RHS 53A with shades of RHS 46A.

Flower color, lower surface.—RHS 185A with lighter tones.

Color of the funnel, inner side.—RHS 168B and RHS 24A.

Color of the funnel, outside.—RHS 53B with lighter tones.

Petal, shape.—Roughly ovate, asymmetric.

Petal apex shape.—Cuspidate.

Petal base shape.—Fused.

Petal margin.—Mainly entire.

Petal length, from the corolla opening.—3.7 cm.

Petal width, maximum.—4.2 cm.

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

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

Pedicel, color.—Light green, RHS 146D.

Length.—1.7 cm.

Diameter.—0.20 cm.

Pedicel, texture.—Smooth, glabrous.

Calyx:

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

Color, visible outer surface.—RHS 145C.

Length.—1.0 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.*—2.5 cm.
- Diameter.*—0.05 cm.
- Style color.*—RHS 150D.
- Stigma color.*—RHS 185B and RHS 145B.
- Stigma shape.*—Five lobed.
- Ovary color.*—RHS 144B.

Androecium:

- Stamens.*—5, connivent, surrounding the style and stigma.
- Filaments.*—Fused with the base of the flower.

Anther.—Elongated.

Anther color.—RHS 164D.

Anther length.—1.2 cm.

Color of pollen.—RHS 4D.

5 *Pollen amount.*—Moderate.

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 'MANZ0002' substantially as illustrated and described herein.

* * * * *



FIGURE 1

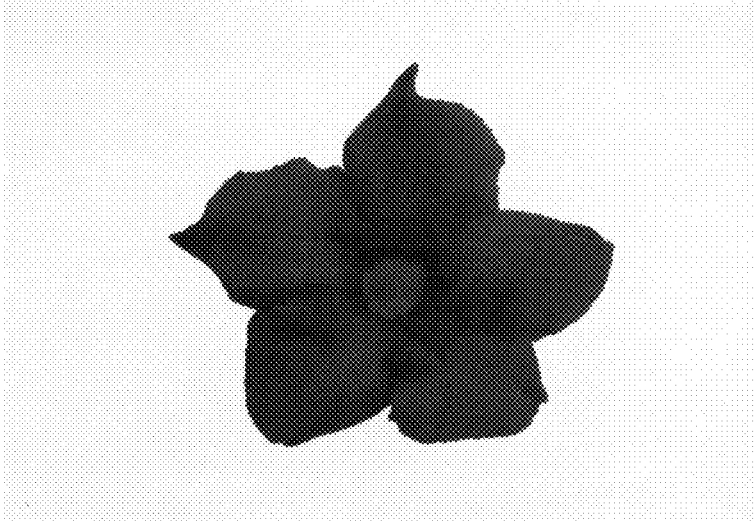


FIGURE 2