



US00PP30891P2

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

(10) **Patent No.:** **US PP30,891 P2**
(45) **Date of Patent:** **Sep. 24, 2019**

- (54) **MANDEVILLA PLANT NAMED**
'KLEMS17025'
- (50) Latin Name: *Mandevilla sanderi*
Varietal Denomination: **KLEMS17025**
- (71) Applicant: **Klemm+Sohn GmbH & Co. KG,**
Stuttgart (DE)
- (72) Inventor: **Graham N. Brown,** Pennant Hills (AU)
- (73) Assignee: **KLEMM+SOHN GMBH & CO. KG,**
Stuttgart (DE)
- (*) 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.: **15/998,374**
- (22) Filed: **Aug. 10, 2018**

- (51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/08 (2018.01)
- (52) **U.S. Cl.**
USPC **Plt./232**
- (58) **Field of Classification Search**
USPC **Plt./226, 232**
See application file for complete search history.

Primary Examiner — Susan McCormick Ewoldt
Assistant Examiner — Karen M Redden
 (74) *Attorney, Agent, or Firm* — Cochran Freund &
 Young LLC

(57) **ABSTRACT**
 A new *mandevilla* plant particularly distinguished by red
 flowers and vigorous vining upright growth, is disclosed.

1 Drawing Sheet

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Genus and species: *Mandevilla sanderi*.
 Variety denomination: 'KLEMS17025'.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct variety of *mandevilla*, botanically known as *Mandevilla sanderi* and hereinafter referred to by the variety name 'KLEMS17025'. 'KLEMS17025' originated from a controlled cross in March 2010 in Cobbitty, New South Wales, Australia between the proprietary female *mandevilla* variety 'X09.11.90' (unpatented) and the proprietary male *mandevilla* variety 'DIP603' (unpatented).

Seeds from the controlled cross were obtained and sown and plants were grown for evaluation. A single plant was selected in November 2013 in Cobbitty, New South Wales, Australia and subsequently named 'KLEMS17025'. In November 2013 'KLEMS17025' was first vegetatively propagated in Cobbitty, New South Wales, Australia by vegetative stem cuttings. 'KLEMS17025' was found to reproduce true to type in successive generations of asexual propagation via vegetative cuttings in Stuttgart, Germany, and Cobbitty, New South Wales, Australia.

SUMMARY

The following are the most outstanding and distinguishing characteristics of this new variety when grown under normal horticultural practices in Cobbitty, New South Wales, Australia.

1. Red flowers; and
2. Vigorous vining upright growth.

DESCRIPTION OF THE PHOTOGRAPH

This new *mandevilla* plant is illustrated by the accompanying photograph which shows an overall view of the plant. The photograph is of an approximately 8 month-old plant grown in Latina, Italy, under greenhouse conditions, in

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September 2015. The colors shown are as true as can be reasonably obtained by conventional photographic procedures.

DESCRIPTION OF THE NEW VARIETY

The following detailed descriptions set forth the distinctive characteristics of 'KLEMS17025'. The data which define these characteristics were collected from asexual reproductions carried out in Cobbitty, New South Wales, Australia. Data was collected on 120 day old plants grown in Cobbitty, New South Wales, Australia in a greenhouse in October 2017. Color references are to The R.H.S. Colour Chart of The Royal Horticultural Society of London (R.H.S.), 5th edition (2007).

Classification:

- Family.*—Apocynaceae.
- Botanical.*—*Mandevilla sanderi*.
- Common.*—*Mandevilla*.
- Designation.*—'KLEMS17025'.

Parentage:

- Female parent.*—The proprietary female *mandevilla* variety 'X09.11.90' (unpatented).
- Male parent.*—The proprietary male *mandevilla* variety 'DIP603' (unpatented).

Plant:

- Habit.*—Vigorous vining upright growth.
- Height.*—120.0 cm.
- Spread.*—30.0 cm.
- Propagation type.*—Vegetative cuttings.
- Time to produce a rooted young plant.*—6 weeks.
- Root description.*—Generally, does not develop bulbs, corms, or rhizomes; root structure is ovate.
- Rooting habit.*—Normal.

Lateral branches:

- Number per plant.*—6.
- Branching habit.*—High.
- Length.*—Approximately 60 cm.
- Diameter.*—0.4 cm.

Internode length.—Between 5.0 cm and 20.0 cm.

Strength.—Medium.

Texture.—Glossy, shiny, and no pubescence.

Color.—RHS 141D.

Foliage:

Arrangement.—Opposite.

Length.—About 6.0 cm.

Width.—About 3.5 cm.

Shape.—Composed.

Apex.—Cuspidate.

Base.—Obtuse.

Margin.—Entire.

Texture.—Upper surface: Glossy, no pubescence.

Lower surface: Leathery and dull.

Venation pattern.—Pinnate.

Venation color.—Upper surface: RHS 141A. Lower surface: RHS 141B.

Color of developing leaves.—Upper surfaces: RHS 141A. Lower surface: RHS 141B.

Color of fully expanded leaves.—Upper surface: RHS 141A. Lower surface: RHS 141C.

Petioles:

Length.—About 3.0 cm.

Diameter.—About 0.4 cm.

Texture (both surfaces).—Smooth and dull.

Color.—Upper surface: RHS 141B. Lower surface: RHS 141C.

Inflorescence:

Flower type and habit.—Single.

Natural flowering season.—Spring, summer, and autumn.

Lastingness of flowers on the plant.—About 14 days.

Fragrance.—Absent.

Flower appearance.—Glossy.

Flower diameter.—About 8.0 cm.

Flower length.—About 7.0 cm.

Throat diameter.—About 2.5 cm.

Tube length.—About 6.0 cm.

Tube diameter, at the base.—0.5 cm.

Number of flowers per inflorescence (typically observed).—3.

Inflorescence height.—15 cm.

Inflorescence diameter.—15 cm.

Number of flowers per plant.—18.

Peduncle.—Length: 20.0 cm. Width: 0.4 cm. Texture:

Dull. Strength: Moderate. Luster: Shiny. Aspect:

Erect. Color: RHS 141C.

Flower buds:

Texture.—Smooth.

Luster.—Shiny.

Height.—About 6.0 cm.

Diameter.—About 1.0 cm.

Shape.—Rhombic.

Color.—RHS 46C.

Corolla:

Petal number per flower.—Five.

Arrangement.—Campanulate.

Petal lobe length.—About 5.5 cm.

Petal lobe width.—About 4.5 cm.

Petal lobe shape.—Strongly asymmetric.

Petal apex.—Accuminate.

Petal margin.—Entire.

Petal texture (both surfaces).—Glossy, pubescence absent.

Throat texture.—Satiny.

Tube texture.—Satiny.

Color of petal lobes when opening.—Upper surface: RHS 46A. Lower surface: RHS 46B.

Color of petal lobes when fully opened.—Upper surface: RHS 46A. Lower surface: RHS 46B.

Color of throat.—RHS 46A.

Color of tube.—RHS 28B.

Sepals:

Sepal luster (both surfaces).—Dull.

Arrangement and appearance.—Fused at base.

Number per flower.—5.

Length.—1.0 cm.

Width.—0.3 cm.

Shape.—Lanceolate.

Apex.—Obtuse.

Margin.—Entire.

Texture (both surfaces).—Sparse pubescence.

Color (both surfaces).—RHS 66C.

Pedicels:

Pedicel luster.—Shiny.

Length.—2.0 cm.

Diameter.—0.3 cm.

Surface texture.—Smooth.

Strength.—Strong.

Aspect.—Erect.

Color.—RHS 64C.

Reproductive organs:

Stamens.—Quantity per flower: 5. Filament length: Less than 0.5 cm. Filament color: RHS 14D. Anther length: 0.1 cm. Anther color: RHS 14D. Pollen amount: Sparse. Pollen color: RHS 155A.

Pistils.—Quantity per flower: 1. Pistil length: 0.4 cm. Stigma shape: Ovate. Stigma color: RHS 145B. Style length: 0.1 cm. Style color: RHS 145C. Ovary color: RHS 138C.

Fruit and seed set: None observed.

Temperature tolerance: High tolerance to heat.

Disease and pest/insect resistance: None observed.

COMPARISON WITH PARENTAL LINES AND KNOWN VARIETY

‘KLEMS17025’ is distinguished from its parents as described in Table 1:

TABLE 1

Comparison with Parental Lines			
Characteristic	‘KLEMS17025’	Female parent ‘X09.11.90’	Male Parent ‘DIP630’
Flower size	Medium-large	Medium	Medium
Flower fade	Slight	Slight	Medium

‘KLEMS17025’ can be compared to the commercial variety ‘Sunmandecrim’ (U.S. Plant Pat. No. 15,539). Differences between the two varieties are described in Table 2:

TABLE 2

Comparison with Similar Variety		
Characteristic	‘KLEMS17025’	Commercial line ‘Sunmandecrim’
Flower size	Medium-large	Medium
Flower fade	Slight	Strong

I claim:

1. A new and distinct variety of *mandevilla* plant named ‘KLEMS17025’ as illustrated and described herein.

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