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

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- (54) **MANDEVILLA PLANT NAMED**
'KLEMS16028'
- (50) Latin Name: *Mandevilla sanderi*
Varietal Denomination: **KLEMS16028**
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- (52) **U.S. Cl.**
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See application file for complete search history.

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

1 Drawing Sheet

1

Genus and species: *Mandevilla sanderi*.
Variety denomination: 'KLEMS16028'.

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 'KLEMS16028'. 'KLEMS16028' originated from a controlled cross in February 2010 in Cobbitty, New South Wales, Australia between the proprietary female *mandevilla* variety 'X08.12.6' (unpatented) and the proprietary male *mandevilla* variety 'No.2' (unpatented).

Seeds from the controlled cross were obtained and sown and plants were grown for evaluation. A single plant was selected in February 2012 and subsequently named 'KLEMS16028'. In February 2012 'KLEMS16028' was first vegetatively propagated in Cobbitty, New South Wales, Australia by vegetative stem cuttings. 'KLEMS16028' was found to reproduce true to type in successive generations of asexual propagation via vegetative cuttings in Stuttgart, Germany, Cobbitty, New South Wales, Australia, Stuttgart, Germany, and Nairobi, Kenya.

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. Pink flowers; and
2. Vigorous upright growth.

DESCRIPTION OF THE PHOTOGRAPH

This new *mandevilla* plant is illustrated by the accompanying photograph which shows an overall view of the plant.

2

The photograph is of an approximately 8 months-old plant grown in Stuttgart, Germany, under greenhouse conditions, in July 2014.

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 'KLEMS16028'. The data which define these characteristics were collected from asexual reproductions carried out in Cobbitty, New South Wales, Australia. Data was collected on 16 week old plants grown in Cobbitty, New South Wales, Australia in a greenhouse between October (2016) and January (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.*—'KLEMS16028'.

Parentage:

- Female parent.*—The proprietary female *mandevilla* variety 'X08.12.6' (unpatented).
- Male parent.*—The proprietary male *mandevilla* variety 'No.2' (unpatented).

Plant:

- Habit.*—Vigorous upright growth.
- Height.*—100.0 cm.
- Spread.*—30.0 cm.
- Propagation type.*—Vegetative cuttings.
- Time to produce a rooted young plant.*—8 weeks.
- Root description.*—Does not develop bulbs, corms, or rhizomes; root structure is ovate.
- Rooting habit.*—Normal.
- Lateral branches:**
 - Number per plant.*—7.
 - Branching habit.*—Moderate.

- Length*.—Approximately 60 cm.
Diameter.—0.4 cm.
Internode length.—Between 2.0 cm and 20.0 cm.
Strength.—Medium.
Texture.—Glossy, shiny, and no pubescence.
Color.—RHS 141D.
- Foliage:
Arrangement.—Opposite.
Length.—About 4.0 cm.
Width.—About 2.0 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: 141A. Lower surface: 141B.
Color of developing and fully expanded leaves.—Upper surface: RHS 141A. Lower surface: RHS 141C.
- Petioles:
Length.—About 2.0 cm.
Diameter.—About 0.1 cm.
Texture.—Smooth and dull.
Color.—Upper surface: RHS 141B. Lower surface: RHS 141C.
- Inflorescence:
Number of flowers per inflorescence (typically observed).—2 to 3.
Inflorescence height.—30 cm.
Inflorescence diameter.—15 cm.
Number of flowers per plant.—35.
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 5.0 cm.
Flower length.—About 4.0 cm.
Throat diameter.—2.5 cm.
Tube length.—3.0 cm.
Tube diameter, at the base.—0.5 cm.
Peduncle.—Length: 6.0 cm. Width: 5.0 mm. Strength: Strong. Texture: Smooth. Luster: Matt. Aspect: 30 degrees. Color: RHS 58B.
- Flower buds:
Texture.—Smooth.
Luster.—Shiny.
Height.—About 4.0 cm.
Diameter.—About 1.0 cm.
Shape.—Tall, cylindrical.
Color.—RHS N66D.
- Corolla:
Petal number per flower.—Five.
Arrangement.—Radial.
Petal lobe length.—2.0 cm.
Petal lobe width.—2.0 cm.
Petal lobe shape.—Round.
Petal apex.—Obtuse.
Petal margin.—Entire.
Petal texture (both surfaces).—Glossy, pubescence is sparse.
Throat texture.—Satiny.
Tube texture.—Satiny.
Color of petal lobes when opening.—Upper surface: RHS N66A. Lower surface: RHS N66C.

- Color of petal lobes when fully opened*.—Upper surface: RHS N66B. Lower surface: RHS N66C.
Color of throat.—RHS N29C.
Color of tube.—RHS 14A.
- 5 Sepals:
Sepal luster (both surfaces).—Dull.
Arrangement and appearance.—Fused at base and dull.
Number per flower.—5.
10 *Length*.—2.0 cm.
Width.—0.3 cm.
Shape.—Lanceolate.
Apex.—Obtuse.
Margin.—Entire.
15 *Texture (both surfaces)*.—Sparse pubescence.
Color (both surfaces).—RHS 66C.
- Pedicels:
Pedicel luster.—Shiny.
Length.—4.0 cm.
Diameter.—0.1 cm.
Surface texture.—Smooth.
Strength.—Strong.
Aspect.—Erect.
25 *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.
30 *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.
- 35 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

‘KLEMS16028’ is distinguished from its parents as described in Table 1:

TABLE 1

Comparison with Parental Lines			
Characteristic	‘KLEMS16028’	Female parent ‘X08.12.6’	Male Parent ‘No. 2’
50 Flower size	Medium	Medium	Small
Plant height	Medium	Tall	Short

‘KLEMS16028’ can be compared to the commercial variety ‘Pretty Pink’, also known as ‘Sunparaprero’ (U.S. Plant Pat. No. 19,399). Differences between the two varieties are described in Table 2:

TABLE 2

Comparison with Similar Variety		
Characteristic	‘KLEMS16028’	Commercial line ‘Pretty Pink’
60 Vining	Medium	Strong

I claim:

1. A new and distinct variety of *mandevilla* plant named 'KLEMS16028' as illustrated and described herein.

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