



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

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

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

(76) Inventor: **Gerd Endisch**, Hagenbach (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.

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(52) **U.S. Cl.** ..... **Plt./232**

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

(56) **References Cited**

**OTHER PUBLICATIONS**

GTITM UPOVROM Citation for ‘Gendiprote’ as per QZ PBR  
20081467; Jun. 26, 2008.\*

\* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of *Mandevilla* plant named ‘Gen-  
diprote’ that is characterized by large red flowers, green  
leaves, an upright habit and fewer twines.

**1 Drawing Sheet**

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Botanical classification: *Mandevilla sanderi*.  
Variety denomination: ‘Gendiprote’.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar  
of *Mandevilla* plant botanically known as *Mandevilla sanderi*  
and hereinafter referred to by the cultivar name ‘Gendiprote’.

The new cultivar is the product of a breeding program  
conducted by the inventor in a cultivated area of Hagenbach,  
Germany. The objective of the breeding program is to develop  
new *Mandevilla* cultivars that have large red flowers.

‘Gendiprote’ originated from the crossing of the female or  
seed parent a proprietary selection of *Mandevilla sanderi*  
identified as ‘DO 115’ (not patented) and the male or pollen  
parent a proprietary selection of *Mandevilla sanderi* identi-  
fied as ‘DO 104’ (not patented). The cultivar ‘Gendiprote’ was  
selected by the inventor in June of 2006 as a single plant  
within the progeny of the stated cross in a controlled environ-  
ment of Hagenbach, Germany.

Asexual reproduction by terminal cuttings of the new cul-  
tivar ‘Gendiprote’ were first done in October of 2006 in  
Hagenbach, Germany. Since that time, under careful obser-  
vation, the unique characteristics of the new cultivar have  
been uniform, stable and reproduced true to type in successive  
generations of asexual reproduction.

**SUMMARY OF THE INVENTION**

The following represent the distinguishing characteristics  
of the new *Mandevilla* cultivar ‘Gendiprote’. These traits in  
combination distinguish ‘Gendiprote’ as a new and distinct  
cultivar apart from other existing varieties of *Mandevilla*  
known to me.

1. *Mandevilla* ‘Gendiprote’ exhibits large red flowers.
2. *Mandevilla* ‘Gendiprote’ exhibits green leaves.
3. *Mandevilla* ‘Gendiprote’ exhibits an upright habit.
4. *Mandevilla* ‘Gendiprote’ exhibits fewer twines.

The closest comparison variety is *Mandevilla* ‘Fisrix  
Dered’ (U.S. Plant Pat. No. 20,714). ‘Gendiprote’ is different

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than ‘Fisrix Dered’ in having fewer branches and flowers that  
have a lighter red outer surface with a larger diameter corolla.

The new cultivar ‘Gendiprote’ is distinguishable from the  
female parent *Mandevilla* ‘DO 115’ in having fewer branches  
and flowers that have a darker red inner surface with a larger  
diameter corolla.

The new cultivar ‘Gendiprote’ is distinguishable from the  
male parent *Mandevilla* ‘DO 104’ in having fewer branches  
and flowers that have a darker red inner surface with a larger  
diameter corolla.

**BRIEF DESCRIPTION OF THE DRAWING**

The accompanying photograph illustrates the distinguish-  
ing traits of *Mandevilla* ‘Gendiprote’. The plant in the pho-  
tograph shows an overall view of an 8 month old plant. The  
photograph was taken using conventional techniques and  
although colors may appear different from actual colors due  
to light reflectance it is as accurate as possible by conven-  
tional photographic techniques.

**BOTANICAL DESCRIPTION OF THE PLANT**

The following is a detailed description of the new *Mandev-  
illa* cultivar named ‘Gendiprote’. Data was collected in  
Hagenbach, Germany from 8 month old plants grown under  
glass greenhouse conditions. The plants were grown in 13 cm.  
diameter containers. The time of year was Summer and the  
daytime temperature ranged from 18 to 26° Centigrade. The  
temperature at night ranged from 16 to 20° Centigrade. The  
light level was 5 to 25 klux. No photoperiodic treatments or  
growth retardants were used. Color determinations are in  
accordance with The Royal Horticultural Society Colour  
Chart 2001 edition, except where general color terms of ordi-  
nary dictionary significance are used. The growing require-  
ments are similar to the species.

‘Gendiprote’ has not been tested under all possible condi-  
tions and phenotypic differences may be observed with varia-  
tions in environmental, climatic, and cultural conditions,  
however, without any variance in genotype.



Botanical classification: *Mandevilla sanderi* cultivar ‘Gendiprote’.

Parentage: ‘Gendiprote’ resulted from the crossing of the following parent plants:

*Female parent*.—A proprietary selection of *Mandevilla sanderi* identified as ‘DO 115’.

*Male parent*.—A proprietary selection of *Mandevilla sanderi* identified as ‘DO 104’.

Vigor: Moderate.

Propagation: Terminal cuttings.

Time to initiate roots (winter): Approximately 21 days to produce roots on an initial cutting.

Time to initiate roots (summer): Approximately 14 days to produce roots on an initial cutting.

Time to produce a rooted cutting or liner: 8 weeks in Winter and 7 weeks in Summer.

High temperature tolerance: 38 degrees Centigrade.

Low temperature tolerance: 4 degrees Centigrade.

Root system: Fibrous, fleshy.

Plant form: Perennial, upright and vining plant habit. Slightly woody plant base with herbaceous younger shoots. Initially upright. Can develop twines under low light conditions.

*Plant height*.—40 cm.

*Lateral branch dimensions*.—Length: About 25 cm.

Diameter: About 3.0 mm.

*Internode length*.—4.0 cm.

*Strength*.—Strong.

*Texture*.—Smooth, glabrous, pubescence absent.

*Color*.—146 D.

*Anthocyanin coloration*.—59D.

Foliage:

*Arrangement*.—Decussate, simple.

*Length*.—6.8 cm.

*Width*.—5.9 cm.

*Shape*.—Broad obovoid, slightly undulating along edges.

*Apex*.—Acuminate.

*Base*.—Rounded to cordate.

*Margin*.—Entire.

*Texture*.—Upper and lower surfaces, smooth, glabrous, no pubescence.

*Venation pattern*.—Pinnate, reticulate.

*Color*.—Developing foliage, upper surface: 137B.

Developing foliage, lower surface: 144A. Fully expanded foliage, upper surface: 135A; venation, 145D. Fully expanded foliage, lower surface: 147B to 147C; venation, 145D.

*Petiole length*.—2.0 cm.

*Petiole diameter*.—2.0 mm.

*Petiole texture*.—Smooth, glabrous, pubescence absent.

*Petiole color upper and lower surfaces*.—145D.

Inflorescence:

*Inflorescence type*.—Racemose, 1 to 3 single flowers per inflorescence.

*Inflorescence dimensions*.—10 cm. in diameter and 12.5 cm. in height.

*Flowering season*.—Summer to late autumn, flowering continuous during this period.

*Flower longevity*.—About 3 to 6 weeks.

*Fragrance*.—None.

*Flower shape*.—Flared trumpet, corolla fused, five-parted; petals imbricate; flowers roughly star-shaped.

*Flower dimensions*.—8.5 cm. in diameter and 8 cm. in depth.

*Bud shape*.—Obtrullate.

*Bud dimensions*.—1.9 cm. in diameter and 8.5 cm. in length.

*Bud color*.—63A with base 145C.

*Corolla shape*.—Tube and funnel shaped.

*Corolla diameter*.—85 mm.

*Tube length*.—20 mm.

*Tube diameter*.—5 mm.

*Tube texture*.—Glabrous.

*Tube color*.—154D with tinges of 54A.

*Throat length*.—28 mm.

*Throat width distal end*.—28 mm.

*Throat texture*.—Glabrous.

*Throat color basal half outer side*.—154D.

*Throat color distal half outer side*.—54A.

*Throat color basal half inner side*.—34B.

*Throat color distal half inner side*.—46B.

*Limb shape*.—Spatulate with slight undulation and recurved distal end.

*Limb tip*.—Acuminate.

*Limb texture*.—Glabrous (both surfaces).

*Limb margin*.—Entire.

*Limb color inner side*.—46A.

*Limb color outer side*.—54A.

Peduncles:

*Dimensions*.—4.1 cm. in length and 2.4 mm. in diameter.

*Texture*.—Smooth, glabrous.

*Strength*.—Flexible, strong.

*Color*.—144A.

Pedicels:

*Dimensions*.—12 mm in length and 2.0 mm. in diameter.

*Color*.—143C.

*Anthocyanin coloration*.—47B.

*Pubescence*.—Absent.

Calyx:

*Arrangement*.—Single whorl of 5 sepals fused at the base.

*Sepal shape*.—Lanceolate.

*Sepal apex*.—Acute.

*Sepal margin*.—Entire.

*Sepal texture*.—Glabrous (both surfaces).

*Sepal dimensions*.—10 mm. in length and 4 mm. in width.

*Color basal half*.—147C (both surfaces).

*Color of distal half*.—147D with tips 54A (both surfaces).

Reproductive organs:

*Stamen number*.—5.

*Filament color*.—7B.

*Anther shape*.—Elliptic.

*Anther dimensions*.—9 mm. in length and 1.5 mm. in width.

*Anther color*.—155B.

*Amount of pollen*.—Scarce.

*Pollen color*.—

*Ovary color*.—145D.

*Pistil quantity*.—One.

*Pistil length*.—About 2.5 cm.

*Stigma shape*.—Conical.

*Stigma color*.—145D.

*Style length.*—About 2.5 cm.  
*Style color.*—145D.  
Seed: Seed production has not been observed.  
Disease and pest resistance: Plants of the new *Mandevilla*  
have not been observed for disease or pest resistance.

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The invention claimed is:  
1. A new and distinct variety of *Mandevilla* plant named  
‘Gendiprote’ as described and illustrated.

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