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**Bergman**

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(54) **MANDEVILLA PLANT NAMED ‘MANZ0020’**

(50) Latin Name: *Mandevilla sanderi* (Hemsl.)  
**Woodson**  
Varietal Denomination: **MANZ0020**

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patent is extended or adjusted under 35  
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See application file for complete search history.

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(57) **ABSTRACT**

A new *Mandevilla* plant named ‘MANZ0020’ particularly  
distinguished by its large pure white 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: ‘MANZ0020’.

### 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 ‘MANZ0020’.

‘MANZ0020’ is a product of a planned breeding program.  
The new cultivar has large pure white 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.

‘MANZ0020’ 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-190’ and having large red flowers, a strong  
vining habit and slower flowering response.

The male parent of ‘MANZ0020’ was an unpatented,  
proprietary plant identified as ‘DIP-195’, with dark red  
flower color, larger foliage and slower flowering response.

The resulting seeds were sown in March 2014 and  
‘MANZ0020’ was selected as one flowering plant within the  
progeny of the stated cross in December 2014 in a green-  
house in Gilroy, Calif.

The first act of asexual reproduction of ‘MANZ0020’ was  
accomplished when vegetative cuttings were propagated  
from the initial selection in February 2015 in a controlled  
environment in Gilroy, Calif.

### BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings  
of the plant initiated in June 2015 in Gilroy, Calif., and  
continuing thereafter, has demonstrated that the combination

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of characteristics as herein disclosed for ‘MANZ0020’ are  
firmly fixed and are retained through successive generations  
of asexual reproduction.

‘MANZ0020’ 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 has not yet been  
applied for. ‘MANZ0020’ has not been made publicly avail-  
able 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  
‘MANZ0020’ 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 ‘MANZ0020’ with  
colors being as true as possible with an illustration of this  
type. The photographic drawings show in FIG. 1, a flower-  
ing 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 Septem-  
ber 2016 in Gilroy, Calif. The plants were growing in large  
pots outdoors; they were about 6 months in age.



TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'MANZ0020' AND A SIMILAR VARIETY		
	'MANZ0020'	'FISRIX WHIT' (Not patented)
Foliage size:	Smaller	Larger
Foliage color:	Darker	Lighter
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 12 weeks for one plant in a quart size container.

*Plant height.*—32 cm.

*Plant height (inflorescence included).*—32 cm.

*Plant width.*—23 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 N1558D.

Foliage:

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

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

*Immature leaf, color lower surface.*—RHS 146B.

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

*Mature leaf, color lower surface.*—RHS 147B.

*Length.*—6.8-7.5 cm.

*Width.*—3.6-4.6 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 138B.

*Color of vein (midrib), lower surface.*—RHS 144D.

*Petiole color.*—RHS 138B.

*Length.*—0.6-1.3 cm.

*Diameter.*—0.2-0.25 cm.

*Petiole, texture.*—Glabrous.

Stem:

*Branching characteristics.*—Moderately free branching.

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

*Color of stem.*—RHS 146C.

*Length of stem.*—25-28 cm.

*Diameter (at about mid-point).*—0.35 cm.

*Length of internodes.*—2.3-2.7 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.*—7-9.

*Blooming habit.*—Continuously through the summer months.

*Quantity of flowers per plant.*—About 8 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 146C.

*Length.*—2.2-2.5 cm.

*Diameter.*—0.25 cm.

*Texture.*—Smooth, glabrous, somewhat glossy.

Bud (just before opening/showing color):

*Color.*—Closest to RHS 145D with irregular tones of RHS 66D.

*Length.*—7.3 cm.

*Width.*—1.6 cm.

*Shape.*—Elongated, spindle shape.

Immature flower:

*Diameter.*—7.5 cm.

*Vertical diameter.*—About 6.5 cm.

*Color upper surface.*—RHS 155D.

*Color lower surface.*—RHS 155D.

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.*—8.7-9.0 cm.

*Flower, vertical diameter.*—About 6.5 cm.

*Flower, diameter of the funnel.*—1.6 cm.

*Flower color, general.*—White.

*Flower color, upper surface.*—RHS 155D.

*Flower color, lower surface.*—RHS 155D.

*Color of the funnel, inner side.*—Closest to RHS 9A.

*Color of the funnel, outside.*—RHS 145C.

*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.*—4.0 cm.

*Petal width, maximum.*—4.4 cm.

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

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

*Pedicel, color.*—Light green, RHS 146C.

*Length.*—1.8-2.1 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 146C.

*Length.*—1.0 cm.

*Width.*—0.45 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.*—2.3 cm.

*Diameter.*—0.05 cm.

*Style color.*—RHS 150D.

*Stigma color.*—RHS 144C.

*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 162B.  
*Anther length*.—1.2 cm.

*Color of pollen*.—RHS 4D.  
*Pollen amount*.—Moderate.  
Fertility/seed set: Has not been observed on this hybrid.  
Disease/pest resistance: Has not been observed on this  
hybrid.  
5 What is claimed is:  
1. A new and distinct variety of *Mandevilla* plant named  
‘MANZ0020’ substantially as illustrated and described  
herein.  
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FIG. 1



FIG. 2