



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

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(54) **LOBELIA PLANT NAMED ‘LOBZ0005’**

(50) Latin Name: *Lobelia erinus* L.  
Varietal Denomination: **LOBZ0005**

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patent is extended or adjusted under 35  
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(52) **U.S. Cl.**  
USPC ..... **Plt./451**

(58) **Field of Classification Search**  
USPC ..... **Plt./451**  
See application file for complete search history.

(56) **References Cited**  
  
PUBLICATIONS  
UPOV hit on *Lobelia* ‘LOBZ0005’, QZ PBR 20141696, published  
Oct. 15, 2014.\*  
\* cited by examiner  
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(57) **ABSTRACT**  
A new *Lobelia* plant named ‘LOBZ0005’ particularly dis-  
tinguished by large, white flowers, strong stems with long  
inflorescences, dark green foliage, medium sized leaves,  
medium plant size, free branching, and mounding to trailing  
plant habit.

**1 Drawing Sheet**

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Latin name of the genus and species of the plant claimed:  
*Lobelia erinus* L.  
Varietal denomination: ‘LOBZ0005’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct cul-  
tivar of *Lobelia*, botanically known as *Lobelia erinus*, and  
hereinafter referred to by the cultivar name ‘LOBZ0005’.  
‘LOBZ0005’ is a product of a planned breeding program.  
The new cultivar has large, white flowers, strong stems with  
long inflorescences, dark green foliage, narrow leaves, free  
branching, and a medium sized, mounding to trailing plant  
habit.  
‘LOBZ0005’ originated from a hybridization made in  
May 2008 in Andijk, The Netherlands. The female parent  
was an unpatented, proprietary *Lobelia* plant designated  
‘LOB08-213-4’, having smaller flowers, darker green  
leaves, and a mounding plant habit, while plant habit of  
‘LOBZ0005’ is distinctly more trailing.  
The male parent of ‘LOBZ0005’ was the proprietary  
*Lobelia* plant designated ‘LOB7-185-1’, unpatented, having  
white flowers, lighter green and glossy foliage, and longer  
stems than ‘LOBZ0005’.  
The resulting seeds were sown in June 2008, and  
‘LOBZ0005’ was selected as one flowering plant within the  
progeny of the stated cross in September 2008 in a green-  
house in Andijk, The Netherlands.  
The first act of asexual reproduction of ‘LOBZ0005’ was  
accomplished when vegetative cuttings were propagated  
from the initial selection in the summer of 2009 in a  
controlled environment in Andijk, The Netherlands.

BRIEF SUMMARY OF THE INVENTION

Horticultural examination of plants grown from cuttings  
of the plant initiated in the spring of 2014 in Andijk, The

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Netherlands, and continuing thereafter, has demonstrated  
that the combination of characteristics as herein disclosed  
for ‘LOBZ0005’ are firmly fixed and are retained through  
successive generations of asexual reproduction.  
5 ‘LOBZ0005’ 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  
10 with the European Union published Oct. 15, 2014 as appli-  
cation number QZ PBR 41954. ‘LOBZ0005’ has not been  
made publicly available more than one year prior to the  
filing of this application.  
15 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  
*Lobelia* as a new and distinct variety.

DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photograph drawings show typical  
flower and foliage characteristics of ‘LOBZ0005’ with col-  
ors being as true as possible with an illustration of this type.  
25 The photographic drawings show in FIG. 1 a close-up of the  
flowers and in FIG. 2 a flowering potted plant of the new  
variety.

DETAILED BOTANICAL DESCRIPTION

30 The aforementioned photographs were taken in early May  
2014 from plants grown in a greenhouse trial in Andijk, The  
Netherlands. The plants were grown in 10.5 cm pots and  
were approximately 12 weeks of age.



The observations and measurements were taken in Andijk, The Netherlands in May 2015 using about 14 week old plants in 10.5 cm pots from a spring trial in the greenhouse.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.), 2001.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY ‘LOBZ0005’ AND A MOST SIMILAR VARIETY			
	‘LOBZ0005’	‘LOBWHI’ commercially known as ‘Laguna White’ (U.S. Ser. No. 12/002,101, abandoned)	
Leaf shape:	Petiole, dentate, obove	No petiole, light dentate, ablancoolate	15
Leaf size:	Large broader leafs	Small leafs	
Flower, diameter:	Larger: 2.1 cm	Smaller: 1.4 cm	
Plant habit:	Semi trailing, compact plant	Trailing plant	20

Plant:

*Growth and habit.*—Vigorous growth habit; dense, and freely branching with medium internodes, trailing to mounding.

*Height.*—About 12-17 cm (from top of soil).

*Height (inflorescence included).*—About 35 cm.

*Width (horiz. diameter).*—From 35-55 cm.

*Branching characteristics.*—10 main stems, each with 3-4 secondary branches.

*Time to produce a finished flowering plant.*—About 12 weeks for a 12 cm pot.

*Garden performance.*—Used as patio planters, in mixed container plantings, or in garden beds.

*Time to initiate and develop roots.*—21-28 days at 20-23° Centigrade.

Roots:

*Number of days to initiate roots.*—About 15 days at about 22 degrees C.

*Number of days to produce a rooted cutting.*—21-25 days.

*Type.*—Fibrous and freely branching.

*Color.*—RHS N155B.

Foliage:

*Arrangement.*—Alternate.

*Leaf shape.*—Lanceolate.

*Apex.*—Mucronulate.

*Base.*—Attenuate.

*Margin.*—Entire to slightly incised.

*Leaf length.*—3.0-5.0 cm.

*Leaf width.*—0.7-1.0 cm.

*Immature leaf, color upper surface.*—RHS 136B.

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

*Mature color upper surface.*—RHS 145B.

*Mature color lower surface.*—RHS 146B.

*Venation type.*—Pinnate.

*Venation color, upper surface.*—Indistinct.

*Venation color, lower surface.*—Indistinct.

*Texture.*—Weak pubescence, both surfaces.

*Petiole.*—No petiole, leaves are sessile.

Stem:

*Characteristics.*—With slightly strengthened, protruding edges, side branches are developed at almost every node.

*Stem length.*—15-20 cm.

*Diameter.*—0.3-0.4 cm.

*Internode length.*—2.5-4.0 cm.

*Color.*—Mainly RHS 137B.

*Texture.*—Very sparsely hirsute.

Inflorescence:

*Type.*—Raceme, composed of single flowers in an alternate arrangement with one flower per node, subtended by a small leaflet.

*Blooming habit.*—Continuously through the growing season from spring to the fall.

*Quantity of inflorescences per plant.*—About 30 per container/15 per plant.

*Quantity of flowers per inflorescence.*—Up to 15 open flowers, and additional buds.

*Lastingness of individual blooms on the plant.*—4-7 days, depending on temperature.

*Fragrance.*—None.

*Inflorescence length.*—1.9-2.2 cm.

Peduncle:

*Color.*—From RHS 144B to RHS 145A.

*Length.*—6-7 cm.

*Diameter.*—0.2 cm.

*Texture.*—Pubescent.

Pedicels:

*Color.*—RHS 146A.

*Length.*—1.3-1.6 cm.

*Diameter.*—0.1 cm.

*Texture.*—Pubescent.

Flower:

*Corolla type and shape.*—Single, zygomorphic; upper lip is formed by two small petals, lower lip has three larger petals; petals are fused at the base forming a relatively long funnel-shaped tube.

Flower bud:

*Shape.*—Oblong.

*Length.*—1.8-2.0 cm.

*Diameter.*—0.3-0.4 cm.

*Color (at tight bud).*—RHS 157C, greenish white.

Immature flower:

*Main color upper surface.*—RHS 155B.

*Main color lower surface.*—RHS 155B for the top, RHS 155A at the base.

*Immature flower, width.*—1.0 cm.

Mature flower:

*Flower, (horizontal) length.*—2.0 cm.

*Flower, (horizontal) width.*—2.0 cm.

*Flower, vertical length (depth).*—2.1 cm.

*Color upper lip, upper surface.*—RHS 155A.

*Color upper lip, lower surface.*—RHS 155A.

*Upper petal lobes, length (from the tube opening).*—1.1-1.2 cm.

*Upper petal lobes, width.*—0.3-0.4 cm.

*Color lower lip, upper surface.*—RHS 155B.

*Color lower lip, lower surface.*—RHS 155B.

*Nectaries at base of lower petals.*—RHS 145C.

*Lower petal lobes, length (from the corolla opening).*—1.1-1.4 cm.

*Lower petal lobes, width.*—0.7-1.0 cm.

*Tube, color (outside).*—RHS 157A.

*Tube length.*—0.9-1.0 cm.

*Tube width.*—0.3-0.4 cm.

Petal:

*Petal shape, lobes of the lower lip.*—Obovate.

*Apex shape.*—Acute.

Base.—Fused.  
Margin.—Entire.  
Texture upper surface.—Glabrous.  
Texture lower surface.—Short hair, mainly along the mid vein. 5  
Calyx:  
Shape.—5 sepals in a whorl, slanting outwards, fused at the base.  
Sepal color.—RHS 138B.  
Sepal length (free ends).—0.8 cm, respective 1.1 cm 10  
when including the funnel shaped part.  
Width.—0.2 cm.  
Shape.—Ligulate.  
Apex.—Acute.  
Base.—Fused.  
Texture.—Pubescent.  
Reproductive organs:  
Stamens:  
Quantity.—5.  
Filament, color.—RHS 155A.

Filament length.—0.5-0.7 cm.  
Filament, diameter.—0.1 cm.  
Anther color.—RHS 187B.  
Anther length.—0.2 cm.  
Pollen amount.—Little.  
Pollen color.—RHS 3B to RHS 3C.  
Pistil:  
Quantity per flower.—1.  
Length.—1.0 cm.  
Stigma color.—RHS 147B.  
Stigma length.—0.2 cm.  
Style color.—RHS 145B.  
Style length.—From 0.7-0.8 cm.  
Fruit and seed set: Occasionally observed outdoors.  
15 Disease and insect resistance: Resistance and susceptibility  
typical for the species, no special observations made.  
The invention claimed is:  
1. A new and distinct cultivar of *Lobelia* plant named  
‘LOBZ0005’ as shown and described herein.  
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FIGURE 1



FIGURE 2