



APPLICATIONS UNDER EXAMINATION

LOBELIA

LOBELIA
(Lobelia)

Proposed denomination: 'USLOB0901'
Trade name: Lucia Dark Blue
Application number: 09-6591
Application date: 2009/03/27
Applicant: Plant 21 LLC, Bonsall, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Ushio Sakazaki, Shiga, Japan

Varieties used for comparison: 'Regatta Sapphire' and 'KLELE08623' (Magadi Ocean Blue)

Summary: *The leaf blade of 'USLOB0901' is shorter than the leaf blade of 'KLELE08623' and wider than the leaves of both reference varieties. The upper and lower corolla lobes of 'USLOB0901' are a lighter violet blue than the corolla lobes of 'Regatta Sapphire' and a slightly lighter violet blue than the corolla lobes of 'KLELE08623'. The palate on the corolla of 'USLOB0901' is small in size while the palate of 'Regatta Sapphire' is large and the palate of 'KLELE08623' is medium in size.*

Description:

PLANT: semi-upright growth habit, medium degree of branching, medium foliage density
 STEM: medium thickness, medium green, medium anthocyanin colouration, sparse to medium pubescence

LEAF: alternate arrangement, simple, round/circular, obtuse apex, attenuate base, crenate margin, no variegation, upper side medium green, absent or very sparse pubescence on upper side

SEPAL: narrow lanceolate, absent or very weak anthocyanin colouration

INFLORESCENCE: raceme, upright attitude, no anthocyanin on pedicel

UPPER COROLLA LOBE: oblanceolate shape, upper side violet blue (RHS 96B), no markings present

LOWER COROLLA LOBE: upper side violet blue (RHS 96B-C), small to medium sized violet (RHS 93A) markings present

PALATE: small, white with blue markings on each lobe and two light green (RHS N144A) spots at base.

Origin and Breeding: The variety 'USLOB0901' originated from a cross made on September 26, 2005, in Higashiomi, Shiga, Japan. The female parent was the variety 'Hot Water Blue' and the male parent was the variety 'Dark Blue Angel'. The new variety was selected as a single plant from the resultant progeny on August 28, 2006, in Higashiomi, Shiga, Japan. Selection criteria included growth habit, good plant strength, high heat tolerance and consistent flower colour. The variety 'USLOB0901' was first propagated by vegetative cuttings on September 2, 2006, in Japan.

Tests and Trials: Trials for 'USLOB0901' were conducted in a polyhouse during the spring of 2010 in St. Thomas, Ontario. The trial included a total of fifteen plants of the candidate and reference varieties. Plants were grown from rooted cuttings, except for plants of 'Regatta Sapphire', which were grown from seed plugs. All plants were transplanted into 11 cm pots on May 6, 2010. Observations and measurements were taken from ten plants or parts of plants on May 27, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'USLOB0901'

	'USLOB0901'	'Regatta Sapphire'*	'KLELE08623'*
<i>Leaf blade length (cm)</i>			
mean	3.3	3.4	4.6
std. deviation	0.30	0.34	0.28

Leaf blade width (cm)

mean	2.2	1.2	1.2
std. deviation	0.16	0.18	0.21

Colour of upper corolla lobes (RHS)

upper side	96B	N89A	96A
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Colour of lower corolla lobes (RHS)

upper side	96B-C	N89A	96A-B
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*reference varieties



Lobelia: 'USLOB0901' (left) with reference variety 'Regatta Sapphire' (centre) and 'KLELE08623' (right)



Lobelia: 'USLOB0901' (left) with reference variety 'Regatta Sapphire' (centre) and 'KLELE08623' (right)

Proposed denomination: 'USLOB13'
Trade name: Lavender Blush
Application number: 09-6590
Application date: 2009/03/27
Applicant: Plant 21 LLC, Bonsall, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Ushio Sakazaki, Shiga, Japan

Variety used for comparison: 'Riviera Lilac'

Summary: *The plants of 'USLOB13' have a semi-upright growth habit while the plants of 'Riviera Lilac' have an upright growth habit. The plants of 'USLOB13' are wider than the plants of 'Riviera Lilac'. The stems of 'USLOB13' have dense pubescence while the stems of 'Riviera Lilac' have absent or very sparse pubescence. The upper side of the leaf blade of 'USLOB13' has dense pubescence while the leaf blade of 'Riviera Lilac' has absent or very sparse pubescence. The markings on the lower corolla lobe are small to medium in size for 'USLOB13' while they are medium to large for 'Riviera Lilac'. The palate on the corolla of 'USLOB13' is large in size and white in colour with red-purple markings and light green spots at the base while the palate of 'Riviera Lilac' is small to medium in size and violet in colour.*

Description:

PLANT: semi-upright growth habit, medium degree of branching, medium to dense foliage
STEM: medium thickness, light green, absent or very weak anthocyanin colouration, dense pubescence

LEAF: alternate arrangement, simple, elliptic, acute apex, attenuate base, dentate to serrate margin, no variegation, upper side medium green, dense pubescence on upper side

SEPAL: narrow lanceolate, no anthocyanin colouration

INFLORESCENCE: raceme, upright attitude, absent or very weak anthocyanin on pedicel

UPPER COROLLA LOBE: cuspidate apex, oblanceolate shape, upper side light blue violet (RHS 76A) with violet (RHS 77B) along midvein, no markings present

LOWER COROLLA LOBE: upper side light blue violet (RHS 76A) with violet (RHS 77B) at tips, markings small to medium in size and violet (RHS N81A) in colour

PALATE: large, white with red purple markings on each lobe, light green (RHS N144A) spots at base.

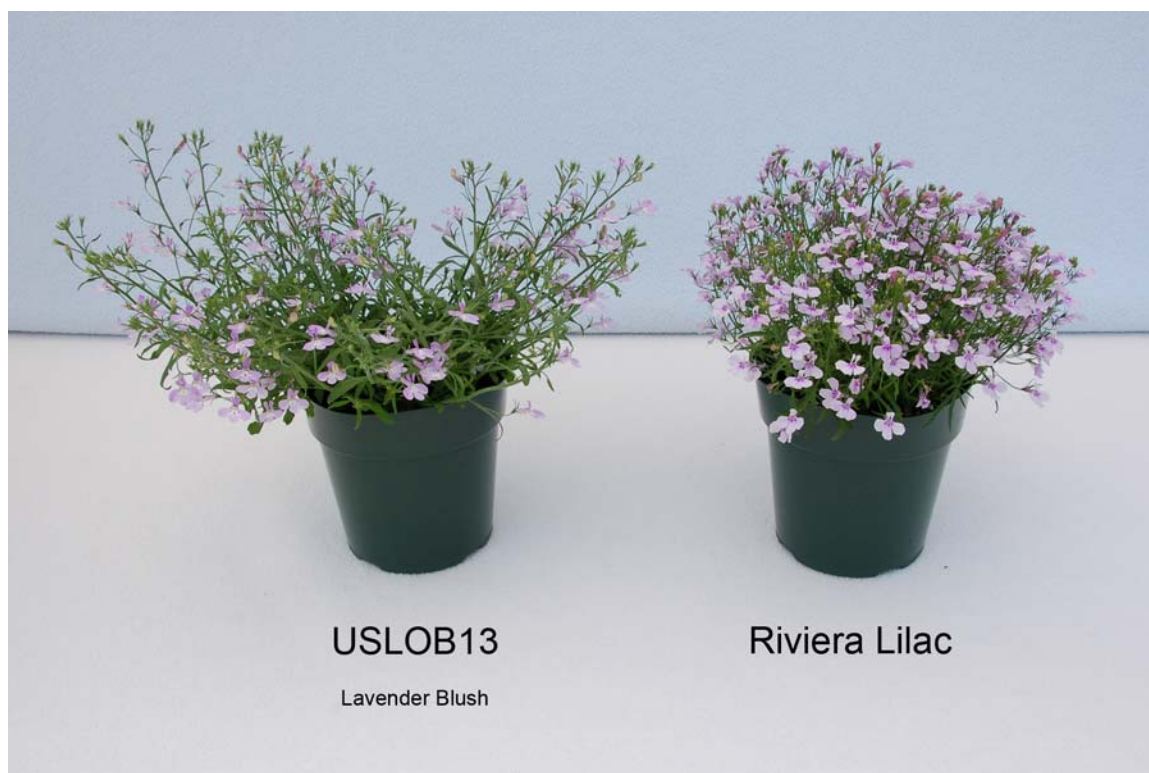
Origin and Breeding: The variety 'USLOB13' originated from a cross made on June 17, 2006, in Higashiomi, Shiga, Japan. The female parent was the variety 'Hot White' and the male parent was a blue flowered proprietary seedling designated 06LOBJ-03. The new variety was selected as a single plant from the resultant progeny on May 15, 2007, in Higashiomi, Shiga, Japan. Selection criteria included growth habit, good plant strength, high heat tolerance and consistent flower colour. The variety 'USLOB13' was first propagated by vegetative cuttings on May 16, 2007 in Japan.

Tests and Trials: Trials for 'USLOB13' were conducted in a polyhouse during the spring of 2010 in St. Thomas, Ontario. The trial included a total of fifteen plants of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 11 cm pots on May 6, 2010. Observations and measurements were taken from ten plants or parts of plants on June 7, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'USLOB13'

	'USLOB13'	'Riviera Lilac'*
<i>Plant width (cm)</i>		
mean	35.7	20.2
std. deviation	2.08	2.46
<i>Leaf blade width (cm)</i>		
mean	1.1	0.4
std. deviation	0.17	0.08
<i>Colour of upper corolla lobes (RHS)</i>		
upper side	76A with 77B along midvein	76B
<i>Colour of lower corolla lobes (RHS)</i>		
upper side	76A with 77B at tips	76A-B
markings	N81A	N78A

*reference variety



Lobelia: 'USLOB13' (left) with reference variety 'Riviera Lilac' (right)



Lobelia: 'USLOB13' (left) with reference variety 'Riviera Lilac' (right)

LOBELIA
(*Lobelia erinus*)

Proposed denomination: 'KLELE08621'
Trade name: Magadi White
Application number: 08-6254
Application date: 2008/03/31
Applicant: Nils Klemm, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Nils Klemm, Stuttgart, Germany
 Guido von Tubeuf, Stuttgart, Germany

Variety used for comparison: 'Lobtrawi' (Laguna White)

Summary: *The growth habit of 'KLELE08621' is semi-upright while the growth habit of 'Lobtrawi' is semi-upright to horizontal. The plants of 'KLELE08621' are shorter and narrower than the plants of 'Lobtrawi'. The leaf blade of 'KLELE08621' is wider than the leaf blade of 'Lobtrawi'.*

Description:

PLANT: semi-upright growth habit, medium degree of branching, medium to dense foliage
 STEM: medium thickness, medium green, no anthocyanin colouration, sparse pubescence

LEAF: alternate arrangement, simple, elliptic to round/circular, acute and obtuse apex, attenuate base, dentate margin, no variegation, upper side medium green, no pubescence on upper side

SEPAL: narrow lanceolate, no anthocyanin

INFLORESCENCE: raceme, upright attitude, no anthocyanin on pedicel

UPPER COROLLA LOBE: acute apex, oblanceolate shape, white (RHS NN155D), no markings present

LOWER COROLLA LOBE: white (RHS NN155D), no markings present

PALATE: very small, two light green (RHS N144A) spots at base.

Origin and Breeding: The lobelia variety 'KLELE08621' originated from a controlled pollination conducted in May-June 2005 in Stuttgart, Germany. The cross was made between two proprietary lines designated 05 0368 and 05 0357. The new variety was selected from the resultant progeny for criteria based on flower colour, early flowering, abundant flowering and plant vigour. The variety was evaluated in greenhouse trials in Stuttgart, Germany and assessed for growth habit, plant vigour and cold tolerance. Outdoor trials were conducted to assess plant and flower tolerance to heat and flower quality.

Tests and Trials: Trials for 'KLELE08621' were conducted in a polyhouse during the spring of 2010 in St. Thomas, Ontario. The trial included a total of fifteen plants of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 11 cm pots on May 6, 2010. Observations and measurements were taken from ten plants or parts of plants on May 27, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'KLELE08621'

	'KLELE08621'	'Lobtrawi'*
<i>Plant height (cm)</i>		
mean	8.7	12.5
std. deviation	1.25	1.67
<i>Plant width (cm)</i>		
mean	23.0	39.9
std. deviation	1.28	1.93

Leaf blade width (cm)

mean	1.6	1.2
std. deviation	0.12	0.16

*reference variety



Lobelia: 'KLELE08621' (left) with reference variety 'Lobtrawi' (right)



Lobelia: 'KLELE08621' (left) with reference variety 'Lobtrawi' (right)

Proposed denomination: 'KLELE08623'
Trade name: Magadi Ocean Blue
Application number: 08-6255
Application date: 2008/03/31
Applicant: Nils Klemm, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Nils Klemm, Stuttgart, Germany
 Guido von Tubeuf, Stuttgart, Germany

Varieties used for comparison: 'KLELE06116' (Magadi Blue) and 'Tech Hepdab' (Techno Heat Upright Dark Blue)

Summary: *The plants of 'KLELE08623' have an upright growth habit while the plants of 'KLELE06116' have a semi-upright growth habit. The plants of 'KLELE08623' are taller than the plants of the reference varieties. The stems of 'KLELE08623' have sparse to medium pubescence while the stems of 'KLELE06116' have absent or very sparse pubescence and the stems of 'Tech Hepdab' have medium to dense pubescence. The leaf blade of 'KLELE08623' is narrower than the leaf blade of 'KLELE06116'. The lower corolla lobe of 'KLELE08623' has markings present while the lower corolla lobe of 'Tech Hepdab' has no markings present.*

Description:

PLANT: upright growth habit, medium degree of branching, medium foliage density

STEM: medium thickness, medium green, no anthocyanin colouration, sparse to medium pubescence

LEAF: alternate arrangement, simple, elliptic to obovate, acute apex, attenuate base, dentate margin, no variegation, upper side medium green, absent to sparse pubescence on upper side

SEPAL: narrow lanceolate, no anthocyanin colouration

INFLORESCENCE: raceme, upright attitude, no anthocyanin on pedicel

UPPER COROLLA LOBE: cuspidate apex, elliptic shape, upper side violet blue (RHS 96A), no markings present

LOWER COROLLA LOBE: upper side violet blue (RHS 96A-B), markings small and violet blue (RHS 95B) in colour
 PALATE: small to medium, white with blue markings on each lobe, two light green (RHS N144A) spots at base.

Origin and Breeding: The lobelia variety 'KLELE08623' originated from a controlled pollination conducted in May-June 2005 in Stuttgart, Germany. The cross was made between two proprietary lines designated X 077 and 05 0357. The new variety was selected from the resultant progeny for criteria based on flower colour, early flowering, abundant flowering and plant vigour. The variety was evaluated in greenhouse trials in Stuttgart, Germany and assessed for growth habit, plant vigour and cold tolerance. Outdoor trials were conducted to assess plant and flower tolerance to heat and flower quality.

Tests and Trials: Trials for 'KLELE08623' were conducted in a polyhouse during the spring of 2010 in St. Thomas, Ontario. The trial included a total of fifteen plants of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 11 cm pots on May 6, 2010. Observations and measurements were taken from ten plants or parts of plants on May 27, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'KLELE08623'

	'KLELE08623'	'KLELE06116'*	'Tech Hepdab'*
<i>Plant height (cm)</i>			
mean	17.3	10.9	12.8
std. deviation	1.55	1.06	1.09
<i>Leaf blade width (cm)</i>			
mean	1.2	3.0	1.8
std. deviation	0.21	0.42	0.16

*reference varieties



Lobelia: 'KLELE08623' (left) with reference varieties 'KLELE06116' (centre) and 'Tech Hepdab' (right)



Lobelia: 'KLELE08623' (left) with reference varieties 'KLELE06116' (centre) and 'Tech Hepdab' (right)

Proposed denomination: 'Tec Hewitt'
Trade name: Techno Heat White '10
Application number: 09-6490
Application date: 2009/01/30
Applicant: Syngenta Crop Protection AG, Basel, Switzerland
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Eric Giesen, Goldsmith Seeds, Europe B.V., Andijk, The Netherlands

Variety used for comparison: 'Lobtrawi' (Laguna White)

Summary: *The plants of 'Tec Hewitt' have longer internodes than 'Lobtrawi' and have thick stems while the plants of 'Lobtrawi' have thin to medium stems. The leaves of 'Tec Hewitt' are longer and wider than the leaves of 'Lobtrawi'. The flowers of 'Tec Hewitt' are larger than the flowers of 'Lobtrawi'. The flowers of 'Tec Hewitt' have a longer pedicel than the flowers of 'Lobtrawi'.*

Description:

PLANT: horizontal growth habit, medium degree of branching, sparse foliage density
STEM: thick, medium green, very weak anthocyanin colouration, very sparse pubescence

LEAF: alternate arrangement, simple, elliptic to obovate, obtuse apex, attenuate base, dentate margin, no variegation, upper side light to medium green, no pubescence on upper side

SEPAL: narrow lanceolate, no anthocyanin colouration

INFLORESCENCE: raceme, upright attitude, no anthocyanin on pedicel

UPPER COROLLA LOBE: cuspidate apex, oblanceolate shape, white (RHS NN155D), no markings present

LOWER COROLLA LOBE: white (RHS NN155D), no markings present

PALATE: very small, two light green (RHS N144A) spots at base.

Origin and Breeding: The variety ‘Tec Hewhitt’ originated from a cross made in July 2006, in Andijk, The Netherlands. The female parent was a white flowered proprietary line designated LOB03-116-1 and the male parent was a white flowered proprietary line designated LOB02-21-1. The resultant seed was sown in a greenhouse in September 2006. In January 2007, a single plant from the progeny was selected by the breeder based on flower colour, plant habit and production characteristics.

Tests and Trials: Trials for ‘Tec Hewhitt’ were conducted in a polyhouse during the spring of 2010 in St. Thomas, Ontario. The trial included a total of fifteen plants of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 11 cm pots on May 6, 2010. Observations and measurements were taken from ten plants or parts of plants on May 27, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘Tec Hewhitt’

	‘Tec Hewhitt’	‘Lobtrawi’*
<i>Internode length (cm)</i>		
mean	2.8	2.1
std. deviation	0.26	0.09
<i>Leaf length (cm)</i>		
mean	5.7	2.7
std. deviation	0.35	0.27
<i>Leaf width (cm)</i>		
mean	2.3	1.2
std. deviation	0.22	0.16
<i>Flower length (cm)</i>		
mean	2.4	1.6
std. deviation	0.12	0.10
<i>Flower width (cm)</i>		
mean	2.4	1.7
std. deviation	0.07	0.14
<i>Pedicle length (cm)</i>		
mean	3.6	2.3
std. deviation	0.36	0.27

*reference variety



Lobelia: 'Tec Hewitt' (left) with reference variety 'Lobtrawi' (right)



Lobelia: 'Tec Hewitt' (left) with reference variety 'Lobtrawi' (right)