



APPLICATIONS UNDER EXAMINATION

PETUNIA

PETUNIA
(Petunia ×hybrida)

Proposed denomination: 'BBTUN04401'
Trade name: Supertunia Vista Snowdrift
Application number: 19-9875
Application date: 2019/05/17
Applicant: Plant 21 LLC, Bonsall, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Brent D. Barnes, Plant 21 LLC, Bonsall, California, United States of America

Variety used for comparison: 'KL1117' (Supertunia White)

Summary: *The plants of 'BBTUN04401' are larger than those of 'KL1117'. The leaves and pedicels of 'BBTUN04401' are longer than those of 'KL1117'. The corolla lobe of 'BBTUN04401' has a truncate apex whereas the lobe of 'KL1117' has a cuspidate to broadly acute apex. The inner side of the corolla tube of 'BBTUN04401' is light yellow green and light yellow whereas that of 'KL1117' is light green with medium yellow veins.*

Description:

PLANT: growth habit ranging from upright to spreading

LEAF: elliptic, narrow to broadly acute apex, no variegation, medium to dark green on upper side, absent or weak blistering

PEDICEL: absent or very weak intensity of anthocyanin colouration

FLOWER: single type, salverform

COROLLA: weak to medium degree of lobing, absent or very shallow margin incisions, weak degree of undulation

COROLLA LOBE (INNER SIDE): conspicuousness of veins ranging from absent or very weak to weak; yellow to green veins, white (RHS NN155C) when newly and fully opened, truncate apex

COROLLA TUBE: light yellow green (RHS 154D) and light yellow (RHS 150D) on inner side, very weak to weak conspicuousness of veins on inner side, light green (RHS 145B-C) with darker light green (RHS 144C) veins on outer side

ANTHER: yellowish white before dehiscence

Origin and Breeding: 'BBTUN04401' originated from a controlled cross conducted by the breeder, Mr. Brent D. Barnes, in Bonsall, California, USA. The cross was made between the female parent, a proprietary seedling designated '16PB873-02', and the male parent variety 'Surprise White' on October 5, 2016. The new variety was selected as a single plant from the resulting progeny on May 19, 2017, based on growth habit, flowering time, flower colour, colour pattern and garden performance. Asexual reproduction of 'BBTUN04401' was first conducted by vegetative tip cuttings on June 1, 2017 in Bonsall, California, USA.

Tests and Trials: The comparative trial for 'BBTUN04401' was conducted in a polyhouse during the spring of 2020 at Bioflora Inc., in St. Thomas, Ontario. The trial included a total of 20 plants each of the candidate variety and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on April 15, 2020. Observations and measurements were taken from 10 plants of each variety on May 29, 2020. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'BBTUN04401'

	'BBTUN04401'	'KL1117'*
<i>Plant height (cm)</i>		
mean	18.5	14.6
std. deviation	2.90	0.96

Plant width (cm)

mean	38.5	28.1
std. deviation	1.56	3.25

Leaf length (including petiole)(cm)

mean	5.3	4.5
std. deviation	0.23	0.42

Pedicle length (cm)

mean	3.1	1.7
std. deviation	0.47	0.21

Colour of corolla tube (RHS)

inner side	154D, 150D	145B-C with 7B veins
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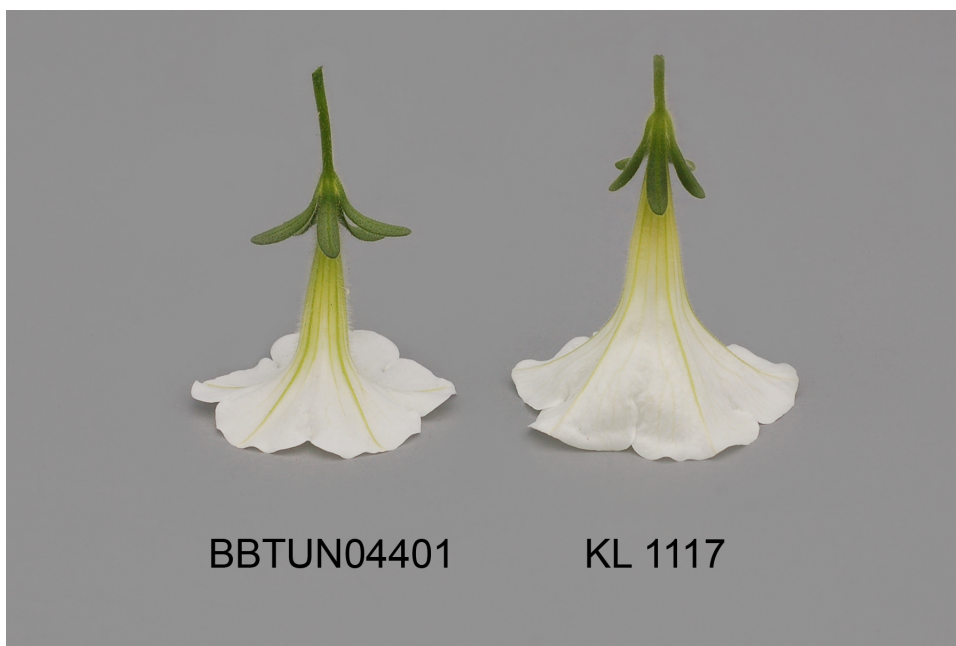
*reference variety



Petunia: 'BBTUN04401' (left) with reference variety 'KL1117' (right)



Petunia: 'BBTUN04401' (left) with reference variety 'KL1117' (right)



Petunia: 'BBTUN04401' (left) with reference variety 'KL1117' (right)

Proposed denomination: 'BBTUN22503'
Trade name: Supertunia Sharon
Application number: 19-9876
Application date: 2019/05/17
Applicant: Plant 21 LLC, Bonsall, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Brent D. Barnes, Plant 21 LLC, Bonsall, California, United States of America

Variety used for comparison: 'Kirimaji Double Pink Vein' (Double Wave Pink)

Summary: *The plants and leaves of 'BBTUN22503' are narrower than those of 'Kirimaji Double Pink Vein'. The flowers of 'BBTUN22503' have a smaller diameter than those of 'Kirimaji Double Pink Vein'. The inner side of the corolla lobe of 'BBTUN22503' has weak conspicuousness of purple veins whereas that of 'Kirimaji Double Pink Vein' has medium conspicuousness of pink veins. When fully opened, the inner side of the corolla lobe of 'BBTUN22503' is medium purple to dark blue pink with a medium sized white area between the corolla lobes whereas the corolla lobe of 'Kirimaji Double Pink Vein' is mainly blue pink. The apex of the corolla lobe of 'BBTUN22503' is cuspidate to broadly acute whereas the apex for 'Kirimaji Double Pink Vein' is rounded to truncate. The corolla tube of 'BBTUN22503' is narrower than that of 'Kirimaji Double Pink Vein'. The outer side of the corolla tube of 'BBTUN22503' is medium violet whereas that of 'Kirimaji Double Pink Vein' is medium blue pink with light green veins.*

Description:

PLANT: semi-upright to spreading growth habit

LEAF: elliptic, narrow acute to broad acute apex, no variegation, medium green on upper side, absent or weak blistering

PEDICEL: weak to medium intensity of anthocyanin colouration at proximal end only

FLOWER: double type, campanulate shape

COROLLA: medium to strong degree of lobing, absent or very shallow margin incisions, medium degree of undulation

COROLLA LOBE (INNER SIDE): weak conspicuousness of veins, purple veins, mainly red purple (RHS N74A) when newly opened, mainly red purple to dark blue pink (RHS N74B-C) when fully opened and aged, medium sized area of white (RHS NN155D) secondary colour between corolla lobes, cuspidate to broadly acute apex

COROLLA TUBE: medium violet (duller than RHS 72B) on outer side

Origin and Breeding: 'BBTUN22503' originated from a controlled cross conducted by the breeder, Mr. Brent D. Barnes, in Bonsall, California, USA. The cross was made between the female parent variety 'Supertunia Pink Star Charm', and the male parent variety 'Summer Double White' on October 16, 2013. The new variety was selected as a single plant from the resulting progeny on June 18, 2014, based on growth habit, branching characteristics, flowering time, flower colour, colour pattern and garden performance. Asexual reproduction of 'BBTUN04401' was first conducted by vegetative tip cuttings on June 27, 2014 in Bonsall, California, USA.

Tests and Trials: The comparative trial for 'BBTUN22503' was conducted in a polyhouse during the spring of 2020 at Bioflora Inc., in St. Thomas, Ontario. The trial included a total of 20 plants each of the candidate variety and reference varieties. All plants were grown from rooted cuttings and transplanted into 15 cm pots on April 15, 2020. Observations and measurements were taken from 10 plants of each variety on May 29, 2020. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'BBTUN22503'

	'BBTUN22503'	'Kirimaji Double Pink Vein'*
<i>Plant width (cm)</i>		
mean	40.0	75.5
std. deviation	4.69	9.78
<i>Leaf blade width (cm)</i>		
mean	2.5	3.1
std. deviation	0.16	0.29
<i>Flower diameter (cm)</i>		
mean	4.3	6.4
std. deviation	0.28	0.63
<i>Colour of inner side of corolla (RHS)</i>		
main	N74B-C	closest to N66D
secondary	NN155D	N/A
<i>Corolla tube width (cm)</i>		
mean	1.18	2.14
std. deviation	0.06	0.13
<i>Colour of corolla tube (RHS)</i>		
outer side	duller than 72B	62B with 145A-C veins

*reference variety



Petunia: 'BTUN22503' (left) with reference variety 'Kirimaji Double Pink Vein' (right)



Petunia: 'BTUN22503' (left) with reference variety 'Kirimaji Double Pink Vein' (right)



Petunia: 'BBTUN22503' (left) with reference variety 'Kirimaji Double Pink Vein' (right)

Proposed denomination: 'BBTUN91601M2'
Trade name: Supertunia Raspberry Rush
Application number: 19-9877
Application date: 2019/05/17
Applicant: Plant 21 LLC, Bonsall, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Josh Miller, Petersburg, Michigan, United States of America

Varieties used for comparison: 'INPETROYMA' (Supertunia Royal Magenta) and 'USTUNJ2401' (Supertunia Pink Star Charm)

Summary: *The plants of 'BBTUN91601M2' are narrower than those of 'INPETROYMA'. The pedicels of 'BBTUN91601M2' are shorter than those of 'INPETROYMA'. The leaves and flowers of 'BBTUN91601M2' are smaller than those of 'INPETROYMA'. The inner side of the corolla lobe of 'BBTUN91601M2' has weak conspicuousness of purple veins whereas the inner side of 'INPETROYMA' has medium conspicuousness of black veins and that of 'USTUNJ2401' has medium conspicuousness of pink to red veins. The inner side of the corolla lobe of 'BBTUN91601M2' is mainly medium purple with white secondary colour whereas that of 'INPETROYMA' is medium purple and that of 'USTUNJ2401' is mainly white with dark blue pink secondary colour. Before dehiscence, the anther of 'BBTUN91601M2' is light blue whereas that of 'INPETROYMA' is medium blue and that of 'USTUNJ2401' is yellowish white.*

Description:

PLANT: semi-upright to spreading growth habit

LEAF: elliptic, broad acute apex, no variegation, dark green on upper side, absent or weak blistering

PEDICEL: medium to strong intensity of anthocyanin colouration

FLOWER: single type, salverform shape

COROLLA: medium degree of lobing, absent or very shallow margin incisions, weak to medium degree of undulation

COROLLA LOBE (INNER SIDE): weak conspicuousness of veins, purple veins; mainly medium purple (RHS N74A) when newly opened, fully opened and aged; very small sized area of white (RHS NN155D) secondary colour between corolla lobes and at margin of corolla, truncate apex

COROLLA TUBE: light blue pink (RHS 76D) and light yellow (RHS 1D) on inner side, strong conspicuousness of dark violet (RHS 79B) veins on inner side, light violet (RHS 75B) and medium violet (RHS 77B) on outer side

ANTHER: light blue before dehiscence

Origin and Breeding: ‘BBTUN91601M2’ originated from a naturally occurring branch mutation, discovered and developed by the breeder, Mr. Josh Miller, in Carleton, Michigan, USA. The mutation was discovered on the parent variety ‘BBTUN91601’ (Supertunia Lovie Dovie) at the breeder’s greenhouse on August 15, 2017. The new variety was selected based on its flower colour. Asexual reproduction of ‘BBTUN91601M2’ was first conducted by vegetative tip cuttings on August 15, 2017 in Carleton, Michigan, USA.

Tests and Trials: The comparative trial for ‘BBTUN91601M2’ was conducted in a polyhouse during the spring of 2020 at Bioflora Inc., in St. Thomas, Ontario. The trial included a total of 20 plants each of the candidate variety and reference varieties. All plants were grown from rooted cuttings and transplanted into 15 cm pots on April 15, 2020. Observations and measurements were taken from 10 plants of each variety on June 1, 2020. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘BBTUN91601M2’

	‘BBTUN91601M2’	‘INPETROYMA’*	‘USTUNJ2401’*
<i>Plant width (cm)</i>			
mean	35.1	53.1	34.7
std. deviation	3.40	4.49	2.30
<i>Leaf length (including petiole)(cm)</i>			
mean	4.5	6.2	5.2
std. deviation	0.51	0.60	0.39
<i>Leaf blade width (cm)</i>			
mean	2.7	3.5	1.9
std. deviation	0.18	0.21	0.14
<i>Pedicle length (cm)</i>			
mean	3.2	4.4	3.6
std. deviation	0.34	0.46	0.55
<i>Flower diameter (cm)</i>			
mean	4.6	6.0	3.4
std. deviation	0.19	0.23	0.22
<i>Colour of inner side of corolla (RHS)</i>			
main	N74A	more red than N74A	N155B
secondary	NN155D	N/A	67B veins with 68A-B around mid-vein

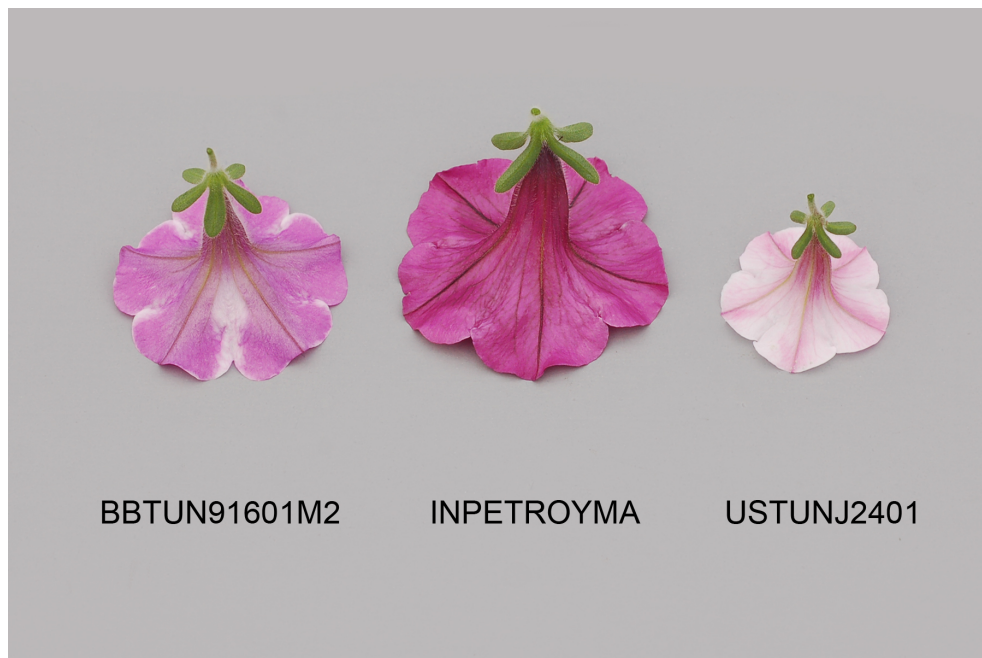
*reference varieties



Petunia: 'BBTUN91601M2' (left) with reference variety 'INPETROYMA' (centre) and 'USTUNJ2401' (right)



Petunia: 'BBTUN91601M2' (left) with reference variety 'INPETROYMA' (centre) and 'USTUNJ2401' (right)



Petunia: 'BBTUN91601M2' (left) with reference variety 'INPETROYMA' (centre) and 'USTUNJ2401' (right)