



APPLICATIONS UNDER EXAMINATION

ANGELONIA

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(Angelonia angustifolia)

Proposed denomination: 'Car Laver09'
Trade name: Carita Lavender 09
Application number: 07-6076
Application date: 2007/12/24
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Ralph T. Perkins, Goldsmith Seeds Inc., Gilroy, California, United States of America

Variety used for comparison: 'Balanglader' (AngelMist Lavender)

Summary: *The flowers of 'Car Laver09' have moderately reflexed corolla lobes whereas those of 'Balanglader' are strongly reflexed. The inner side of the upper and lower lips of the flower of 'Car Laver09' is darker violet than that of 'Balanglader'. The markings on the inner side of the flower chamber are of medium intensity and sparse for 'Car Laver09' while they are of strong intensity and dense for 'Balanglader'. The main colour of the nectary bulge is violet for 'Car Laver09' while it is white for 'Balanglader'.*

Description:

PLANT: upright to spreading growth habit
 SHOOT: weak anthocyanin colouration below inflorescence

LEAF: medium green on upper side, medium glossiness on upper side

INFLORESCENCE: strong anthocyanin colouration on rachis
 UPPER LIP OF FLOWER: inner side is violet with darker violet near margins and redder violet veins
 LOWER LIP OF FLOWER: violet on inner side, weak undulation of margin
 COROLLA LOBES: medium reflexing, no stripes
 FLOWER CHAMBER: longer than broad, purple red markings, markings of medium intensity and sparse
 FLOWER POUCH: yellow green with red purple markings on inner side
 NECTARY BULGE: mainly purple with white

Origin and Breeding: 'Car Laver09' was developed by the breeder, Ralph T. Perkins, an employee of Goldsmith Seeds, Inc. in Gilroy, California, U.S.A., as part of a planned breeding program. It originated from a cross made in October 2002 between the female parent designated '148-3' and the male parent designated '257-5', both proprietary lines with lavender flowers. The resultant seed was sown in a greenhouse in April 2003. 'Car Laver09' was selected from the progeny in July 2003 based on its new flower colour and improved plant growth habit.

Tests and Trials: Trials for 'Car Laver09' were conducted during the spring of 2008 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 15 plants per variety. All plants were grown from rooted cuttings and transplanted into 11.5 cm pots on May 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on June 23, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Car Laver09'

	'Car Laver09'	'Balanglader**
<i>Colour of inner side of flower (RHS)</i>		
upper lip	N87B with 86B tones near margins and N81B veins	N87B-C with N87A veins
lower lip	N87B	N87C

*reference variety



Angelonia: 'Car Laver09' (left) with reference variety 'Balanglader' (right)



Angelonia: 'Car Laver09' (left) with reference variety 'Balanglader' (right)



Angelonia: 'Car Laver09' (left) with reference variety 'Balanglader' (right)

Proposed denomination: 'Car Purr09'
Trade name: Carita Purple 09
Application number: 07-6077
Application date: 2007/12/24
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Ralph T. Perkins, Goldsmith Seeds Inc., Gilroy, California, United States of America

Variety used for comparison: 'Balangdepi' (AngelMist Deep Plum Improved)

Summary: 'Car Purr09' has shorter shoots and larger flowers than 'Balangdepi'. The inner side of the upper and lower lips of the flower is dark violet for 'Carr Purr09' while it is violet for 'Balangdepi'. 'Car Purr09' has a longer and narrower flower chamber than 'Balangdepi'. The relationship of the length of the flower chamber to its width is longer than broad for 'Car Purr09' while it is broader than long for 'Balangdepi'.

Description:

PLANT: upright to spreading growth habit

SHOOT: moderate anthocyanin colouration below inflorescence

LEAF: medium green on upper side, medium glossiness on upper side

UPPER LIP OF FLOWER: dark violet on inner side

LOWER LIP OF FLOWER: dark violet on inner side, weak undulation of margin

COROLLA LOBES: weak to medium reflexing, no stripes

FLOWER CHAMBER: longer than broad, purple red markings, markings of strong intensity and medium density

FLOWER POUCH: yellow green with red purple markings on inner side

NECTARY BULGE: mainly purple

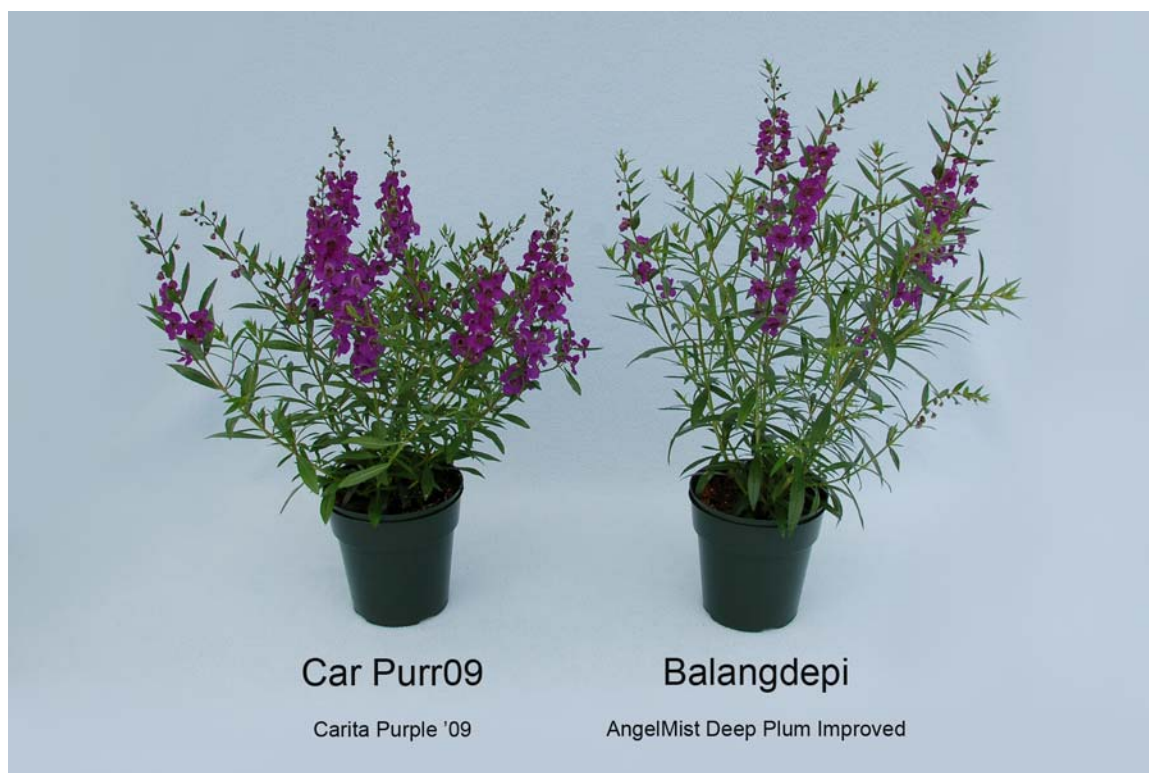
Origin and Breeding: ‘Car Purr09’ was developed by the breeder, Ralph T. Perkins, an employee of Goldsmith Seeds, Inc. in Gilroy, California, U.S.A., as part of a planned breeding program. It originated from a cross made in August 2003 between the female parent designated ‘402-1’, a proprietary line with deep lavender flowers, and the male parent designated ‘191-1’, another proprietary line with purple and white flowers. The resultant seed was sown in a greenhouse in November 2005. ‘Car Purr09’ was selected from the progeny in March 2006 based on its flower colour and plant growth habit.

Tests and Trials: Trials for ‘Car Purr09’ were conducted during the spring of 2008 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 15 plants per variety. All plants were grown from rooted cuttings and transplanted into 11.5 cm pots on May 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on June 23, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

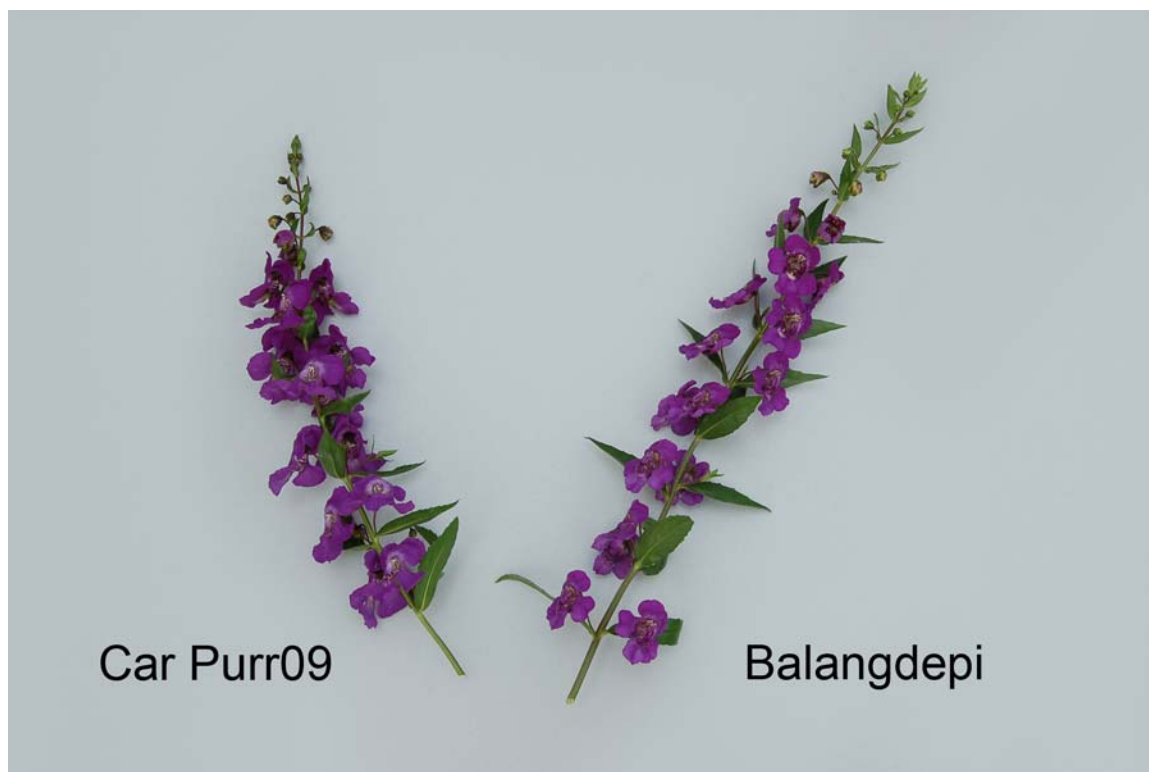
Comparison table for ‘Car Purr09’

	‘Car Purr09’	‘Balangdepi’*
<i>Shoot length (cm)</i>		
mean	32.0	40.0
std. deviation	1.63	2.69
<i>Flower length (cm)</i>		
mean	3.1	2.5
std. deviation	0.17	0.15
<i>Flower width (cm)</i>		
mean	2.9	2.5
std. deviation	0.13	0.08
<i>Colour of inner side of flower (RHS)</i>		
upper lip	83B	darker than N82A
lower lip	83B	N82A-B
<i>Flower chamber length (mm)</i>		
mean	6.9	6.0
std. deviation	0.74	0.00
<i>Flower chamber width (mm)</i>		
mean	6.3	9.0
std. deviation	0.67	0.00

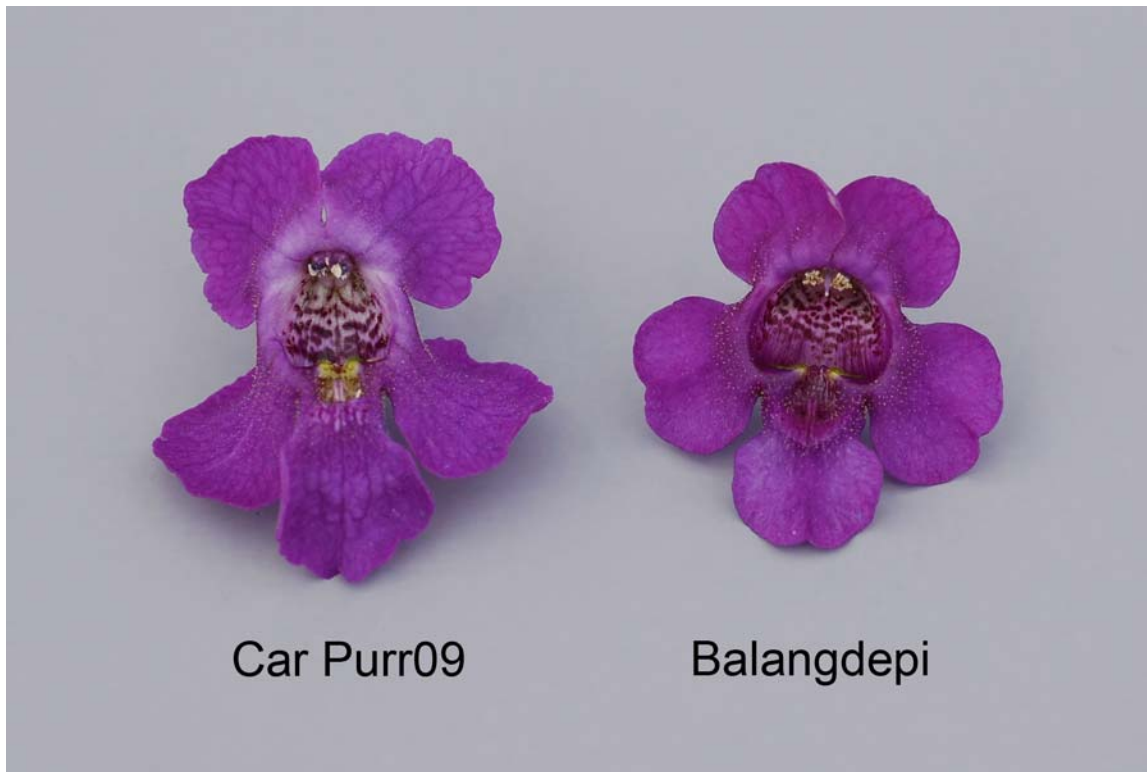
*reference variety



Angelonia: 'Car Purr09' (left) with reference variety 'Balangdepi' (right)



Angelonia: 'Car Purr09' (left) with reference variety 'Balangdepi' (right)



Angelonia: 'Car Purr09' (left) with reference variety 'Balangdepi' (right)

Proposed denomination: 'Car Rasp'
Trade name: Carita Raspberry
Application number: 07-6078
Application date: 2007/12/24
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Ralph T. Perkins, Goldsmith Seeds Inc., Gilroy, California, United States of America

Variety used for comparison: 'Balangdaros' (AngelMist Dark Rose)

Summary: 'Car Rasp' has shorter shoots with shorter and broader leaves than 'Balangdaros'. Reflexing of the corolla lobes of 'Car Rasp' is absent or weak whereas it is strong for 'Balangdaros'. The inner side of the upper lip of the flower is purple red with blue pink towards the base for 'Car Rasp' while it is purple with darker blue pink towards the base for 'Balangdaros'. The inner side of the lower lip of the flower of 'Car Rasp' is blue pink with purple towards the margins whereas it is purple with darker purple spots for 'Balangdaros'. 'Car Rasp' has a broader flower chamber than 'Balangdaros'.

Description:

PLANT: upright growth habit

SHOOT: no anthocyanin colouration below inflorescence

LEAF: medium green on upper side, medium glossiness on upper side

INFLORESCENCE: strong anthocyanin colouration on rachis

UPPER LIP OF FLOWER: inner side is purple red with blue pink towards base

LOWER LIP OF FLOWER: inner side is blue pink with purple towards margins, weak undulation of margin

COROLLA LOBES: absent or weak reflexing

FLOWER CHAMBER: longer than broad, purple red markings, markings of strong intensity and medium to dense

FLOWER POUCH: mostly purple red on inner side

NECTARY BULGE: red purple

Origin and Breeding: ‘Car Rasp’ was developed by the breeder, Ralph T. Perkins, an employee of Goldsmith Seeds, Inc. in Gilroy, California, U.S.A., as part of a planned breeding program. It originated from a cross made in August 2003 between the female parent designated ‘347-1’ and the male parent designated ‘349-1’, both proprietary lines with dark purple flowers. The resultant seed was sown in a greenhouse in November 2005. ‘Car Rasp’ was selected from the progeny in March 2006 based on its new flower colour and plant growth habit.

Tests and Trials: Trials for ‘Car Rasp’ were conducted during the spring of 2008 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 15 plants per variety. All plants were grown from rooted cuttings and transplanted into 11.5 cm pots on May 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on June 23, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘Car Rasp’

	‘Car Rasp’	‘Balangdaros’*
<i>Shoot length (cm)</i>		
mean	27.2	35.5
std. deviation	1.44	1.84
<i>Leaf length (cm)</i>		
mean	5.4	6.4
std. deviation	0.31	0.31
<i>Leaf width (cm)</i>		
mean	1.3	0.9
std. deviation	0.14	0.08
<i>Colour of inner side of flower (RHS)</i>		
upper lip	61C with 64D towards base	71C with N74D towards base
lower lip	64C with 71B towards margins	71C with 61A spots
<i>Flower chamber width (mm)</i>		
mean	7.4	6.2
std. deviation	0.52	0.63

*reference variety



Angelonia: 'Car Rasp' (left) with reference variety 'Balangdaros' (right)



Angelonia: 'Car Rasp' (left) with reference variety 'Balangdaros' (right)



Angelonia: 'Car Rasp' (left) with reference variety 'Balangdaros' (right)

Proposed denomination: 'Car Witt09'
Trade name: Carita White 09
Application number: 07-6079
Application date: 2007/12/24
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Ralph T. Perkins, Goldsmith Seeds Inc., Gilroy, California, United States of America

Variety used for comparison: 'Balangwitim' (AngelMist White Improved)

Summary: *The flowers of 'Car Witt09' are broader with a longer flower chamber than those of 'Balangwitim'. Reflexing of the corolla lobes of 'Car Witt09' is absent whereas it is mostly of strong intensity for 'Balangwitim'.*

Description:

PLANT: upright growth habit

SHOOT: no anthocyanin colouration below inflorescence

LEAF: medium green on upper side, medium glossiness on upper side

UPPER LIP OF FLOWER: white on inner side

LOWER LIP OF FLOWER: white on inner side, weak undulation of margin

COROLLA LOBES: no reflexing, no stripes

FLOWER CHAMBER: longer than broad, no markings

FLOWER POUCH: yellow green on inner side

NECTARY BULGE: white

Origin and Breeding: 'Car Witt09' was developed by the breeder, Ralph T. Perkins, an employee of Goldsmith Seeds, Inc. in Gilroy, California, U.S.A., as part of a planned breeding program. It originated from a cross made in August 2003 between the female parent designated '319-1' and the male parent designated '147-1', both proprietary lines with white flowers. The

resultant seed was sown in a greenhouse in November 2005. 'Car Witt09' was selected from the progeny in March 2006 based on its flower colour and compact plant growth habit.

Tests and Trials: Trials for 'Car Witt09' were conducted during the spring of 2008 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 15 plants per variety. All plants were grown from rooted cuttings and transplanted into 11.5 cm pots on May 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on June 23, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Car Witt09'

	'Car Witt09'	'Balangwitim'*
<i>Flower width (cm)</i>		
mean	2.1	1.7
std. deviation	0.11	0.32
<i>Flower chamber length (mm)</i>		
mean	12.2	9.3
std. deviation	0.63	0.48

*reference variety



Angelonia: 'Car Witt09' (left) with reference variety 'Balangwitim' (right)



Angelonia: 'Car Witt09' (left) with reference variety 'Balangwitim' (right)



Angelonia: 'Car Witt09' (left) with reference variety 'Balangwitim' (right)

Proposed denomination: 'Cas Wite09'
Trade name: Carita Cascade White 09
Application number: 07-6081
Application date: 2007/12/24
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Ralph T. Perkins, Goldsmith Seeds Inc., Gilroy, California, United States of America

Variety used for comparison: 'Balangspri' (AngelMist Spreading White)

Summary: *The upper side of the leaves of 'Cas Wite09' is glossier than that of 'Balangspri'. 'Cas Wite09' has broader flowers with a broader flower chamber than 'Balangspri'. The lower lip of the flower of 'Cas Wite09' has moderate undulation of the margin whereas that of 'Balangspri' has weak undulation.*

Description:

PLANT: upright to spreading growth habit
 SHOOT: no anthocyanin colouration below inflorescence

LEAF: medium green on upper side, strong glossiness on upper side

UPPER LIP OF FLOWER: white on inner side
 LOWER LIP OF FLOWER: white on inner side, moderate undulation of margin
 COROLLA LOBES: absent or weak reflexing, no stripes
 FLOWER CHAMBER: longer than broad, no markings
 FLOWER POUCH: yellow green on inner side
 NECTARY BULGE: white

Origin and Breeding: 'Cas Wite09' was developed by the breeder, Ralph T. Perkins, an employee of Goldsmith Seeds, Inc. in Gilroy, California, U.S.A., as part of a planned breeding program. It originated from a cross made in September 2003 between the female parent designated '433-1', a proprietary line with lavender flowers, and the male parent designated '407-3', another proprietary line with white flowers. The resultant seed was sown in a greenhouse in March 2006. 'Cas Wite09' was selected from the progeny in June 2006 based on its flower colour and plant growth habit.

Tests and Trials: Trials for 'Cas Wite09' were conducted during the spring of 2008 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 15 plants per variety. All plants were grown from rooted cuttings and transplanted into 11.5 cm pots on May 13, 2008. Measured characteristics were based on measurements taken from 10 plants or parts of plants on June 23, 2008. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Cas Wite09'

	'Cas Wite09'	'Balangspri'*
<i>Shoot length (cm)</i>		
mean	28.7	23.4
std. deviation	2.03	1.65
<i>Flower width (cm)</i>		
mean	2.6	2.2
std. deviation	0.16	0.26
<i>Flower chamber width (mm)</i>		
mean	7.7	6.4
std. deviation	0.67	0.70

*reference variety



Angelonia: 'Cas Wite09' (left) with reference variety 'Balangspri' (right)



Angelonia: 'Cas Wite09' (left) with reference variety 'Balangspri' (right)



Angelonia: 'Cas Wite09' (left) with reference variety 'BalangsPRI' (right)
