



APPLICATIONS UNDER EXAMINATION

POINSETTIA

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(Euphorbia pulcherrima)

Proposed denomination: 'NPCW05102'
Trade name: Valentine
Application number: 06-5220
Application date: 2006/02/07
Applicant: Nils Klemm, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Nils Klemm, Stuttgart, Germany

Variety used for comparison: 'Winred'

Summary: 'NPCW05102' has weak reddish colour in the stem while 'Winred' has medium to strong reddish stem colour. The veins on the lower side of the leaf are greenish for 'NPCW05102' while they are reddish for 'Winred'. 'NPCW05102' has weaker reddish colour on the lower side of the petiole than 'Winred'. 'NPCW05102' has a higher number of bicoloured bracts than 'Winred'. The distance between bracts is long for 'NPCW05102' while it is very long for 'Winred'. 'NPCW05102' has a narrower bract width than 'Winred' and differs slightly in bract colour.

Description:

PLANT: plant monstrosity absent, medium to many branches present, tall to very tall, narrow width

STEM: reddish, weak anthocyanin colouration

LEAF BLADE: short to medium length, medium width, broad triangular shape, cordate base, weak lobing, rounded sinus between lobes, no margin incisions

UPPER SIDE: greenish, strong to very strong intensity of green, veins greenish or reddish

LOWER SIDE: greenish, medium to strong intensity of green, greenish veins

PETIOLE: very short, medium reddish colour on upper side, weak reddish colour on lower side

TRANSITIONAL LEAVES: very many

BRACTS: medium number, long distance between bracts, red (RHS 45B) on upper side, margin similar in colour to main part, dark pink-red on lower side, no lobe development, bract folding, curving and twisting present, strong to very strong rugosity between veins, very short to short bract length, medium width, rounded or cordate base, broad ovate to circular shape

CYME: broad width, medium to large yellow glands, very weak to weak red colouration on margin of glands, early to medium time of opening.

Origin and Breeding: 'NPCW05102' originated from a cross pollination made in Stuttgart, Germany, between the variety 'Winter Rose' and the proprietary seedling K95. Seedlings were selected in the summer of 2001 for criteria based on bract size, bract colour, bract shape, leaf quality and branching characteristics. The selected seedling was grafted in 2002 to promote branching and further evaluated for plant vigour and postharvest characteristics in Stuttgart, Germany.

Tests and Trials: The detailed description of 'NPCW05102' is based on the UPOV Report of Technical Examination, application number 2006/0142, purchased from the Community Plant Variety Office, Angers, France. The trials were conducted by the University of Aarhus in Aarslev, Denmark in 2007. Colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'NPCW05102'

	'NPCW05102'	'Winred'*
<i>Colour of bract (RHS)</i>		
upper side	45B	45A - 46B
lower side	53C	53B

*reference variety



Poinsettia: 'NPCW05102'

Proposed denomination: 'PER1124'
Trade name: Peppermint Twist
Application number: 06-5512
Application date: 2006/06/19
Applicant: Paul Ecke Ranch, Inc., Encinitas, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Ruth Kobayashi, Carlsbad, California, United States of America

Variety used for comparison: 'Windark' (Winter Rose Dark Red)

Summary: 'PER1124' has a larger plant width than 'Windark'. 'PER1124' has absent or very weak anthocyanin colouration at the middle third of the stem while 'Windark' has weak to medium anthocyanin. 'PER1124' has a longer leaf length than 'Windark'. 'PER1124' has absent or very weak anthocyanin colouration on the petiole while 'Windark' has

strong anthocyanin. 'PER1124' has a wider bract than 'Windark'. The bracts of 'PER1124' are red pink with undertones of orange pink on the upper and lower side while the bracts of 'Windark' are red on the upper and lower side.

Description:

PLANT: branching present

STEM: weak green colour on middle third, absent or very weak anthocyanin colouration on middle third, absent or weak anthocyanin colouration on upper third

LEAF: ovate, cordate base, one colour on upper side, strong green colour on upper side, green main vein on upper side, absent or very weak development of lobes, very shallow depth of sinus, medium to strong curvature of main vein

PETIOLE: weak green colour on upper side, absent or very weak anthocyanin colouration on upper side, absent or weak anthocyanin on lower side

TRANSITIONAL LEAVES: absent or weak lobing, strong curvature along main vein

BRACT: ovate to circular, upper side red pink with undertones of orange pink, very weak spotting on upper side, spots very small and red (RHS 45C), lower side red pink with orange pink undertones and red pink (RHS 47B) spots, strong folding along main vein, medium twisting, strong rugosity between veins

CYATHIUM: small green yellow glands, late opening of cyathia

Origin and Breeding: 'PER1124' was discovered at the Paul Ecke Ranch in Encinitas, California, USA in December 2002. The variety was selected for its bract colour, reflexed bract, dark green foliage and early bloom date.

Tests and Trials: Trials for 'PER1124' were conducted in a greenhouse in St. Catharines, Ontario. The trial included a total of 25 plants each of the candidate variety and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on August 29, 2008. Observations and measurements were taken from 10 plants of each variety on December 2, 2008. All colour determinations were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for 'PER1124'

	'PER1124'	'Windark'*
<i>Plant width (cm)</i>		
mean	36.6	32.7
std. deviation	1.96	3.30
<i>Leaf length (cm)</i>		
mean	14.5	9.9
std. deviation	1.09	0.81
<i>Bract width (cm)</i>		
mean	9.7	7.6
std. deviation	1.03	0.48
<i>Colour of bract (RHS)</i>		
upper side	47D, undertones of 37B	45B
lower side	48B-C, undertones of 37B	46D

*reference variety



Poinsettia: 'PER1124' (left) with reference variety 'Windark' (right)



Poinsettia: 'PER1124' (left) with reference variety 'Windark' (right)



Poinsettia: 'PER1124' (left) with reference variety 'Windark' (right)

Proposed denomination:	'PER1180'
Trade name:	Orange Spice
Application number:	07-5962
Application date:	2007/07/13
Applicant:	Paul Ecke Ranch, Inc., Encinitas, California, United States of America
Agent in Canada:	BioFlora Inc., St. Thomas, Ontario
Breeder:	Ruth Kobayashi, Paul Ecke Ranch, Inc., Carlsbad, California, United States of America

Variety used for comparison: 'Fiscor Electric' (Cortez Electric Fire)

Summary: 'PER1180' has shorter and narrower plants than 'Fiscor Electric'. 'PER1180' has a smaller bract with stronger rugosity between the veins than 'Fiscor Electric'. 'PER1180' has a narrower cyme than 'Fiscor Electric'.

Description:

PLANT: branching present

STEM: medium green colour on middle third, medium anthocyanin colouration on middle and upper third

LEAF: ovate, wedge shaped to rounded base, one colour on upper side, strong green colour on upper side, green main vein on upper side with red at base, absent or very weak development of lobes, shallow to medium depth of sinus, absent or weak curvature of main vein

PETIOLE: weak green colour on upper side, medium to strong anthocyanin colouration on upper side, medium anthocyanin on lower side

TRANSITIONAL LEAVES: absent or weak lobing, absent or weak curvature along main vein

BRACT: ovate, red (RHS 43A) on upper and lower side, mostly absent folding along main vein, no twisting, weak to medium rugosity between veins

CYATHIUM: very small yellow glands

Origin and Breeding: 'PER1180' was discovered at the Paul Ecke Ranch in Encinitas, California, USA in December 2003. The variety was selected for its bract colour and dark green foliage.

Tests and Trials: Trials for 'PER1180' were conducted in a greenhouse in St. Catharines, Ontario. The trial included a total of 25 plants each of the candidate variety and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on August 29, 2008. Observations and measurements were taken from 10 plants of each variety on December 2, 2008. All colour determinations were made using the 2001 Royal Horticultural Society Colour Chart.

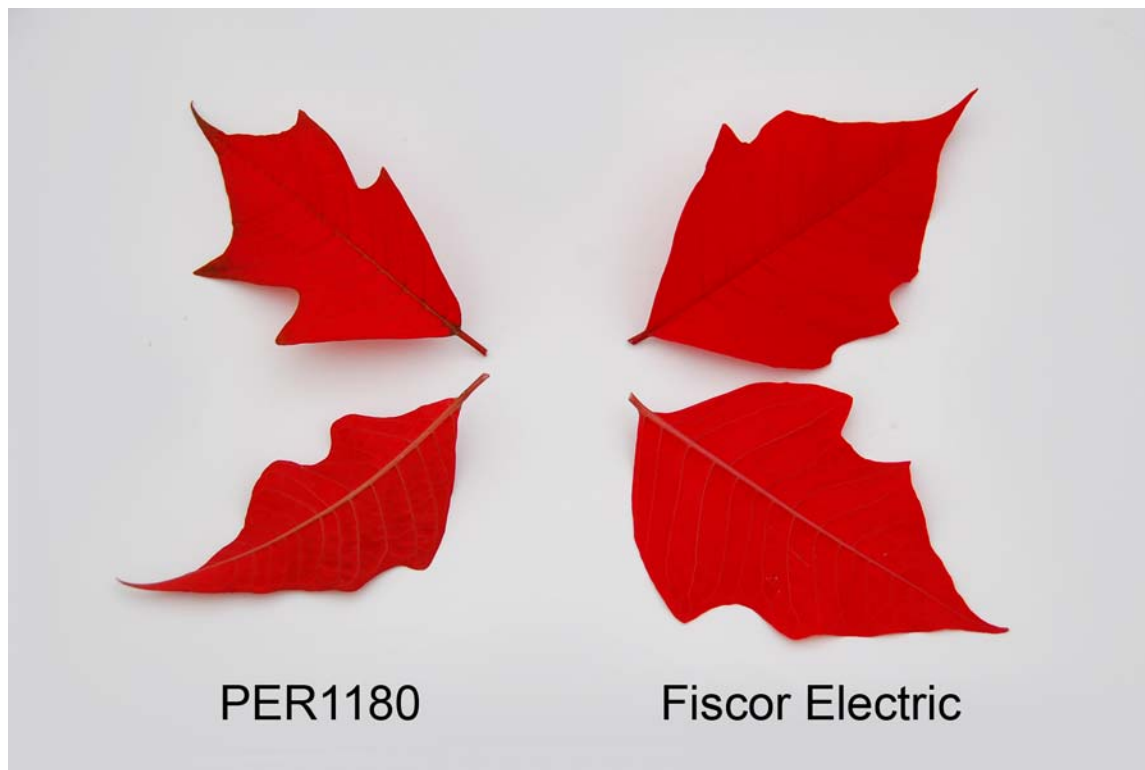
Comparison table for 'PER1180'

	'PER1180'	'Fiscor Electric'*
<i>Plant height (cm)</i>		
mean	27.3	31.5
std. deviation	1.70	3.17
<i>Plant width (cm)</i>		
mean	45.7	56.4
std. deviation	4.57	3.03
<i>Bract length (cm)</i>		
mean	13.6	18.8
std. deviation	1.12	1.46
<i>Bract width (cm)</i>		
mean	7.2	11.2
std. deviation	1.10	1.23
<i>Cyme width (cm)</i>		
mean	1.44	2.24
std. deviation	0.16	0.23

*reference variety



Poinsettia: 'PER1180' (left) with reference variety 'Fiscor Electric' (right)



Poinsettia: 'PER1180' (left) with reference variety 'Fiscor Electric' (right)

Proposed denomination: 'PER5506'
Trade name: Classic White
Application number: 07-5963
Application date: 2007/07/13
Applicant: Paul Ecke Ranch, Inc., Encinitas, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Ruth Kobayashi, Paul Ecke Ranch, Inc., Carlsbad, California, United States of America

Variety used for comparison: '490 White' (Freedom White)

Summary: 'PER5506' produces a lower number of bracts than '490 White'. 'PER5506' has a smaller bract size than '490 White'. 'PER5506' has darker bract colour than '490 White'.

Description:

PLANT: branching present

STEM: weak to medium green colour on middle third, absent or very weak anthocyanin colouration on middle third, absent or weak anthocyanin on upper third

LEAF: ovate, rounded base, one colour on upper side, strong green colour on upper side, green main vein on upper side, absent or very weak development of lobes, very shallow to shallow depth of sinus, absent or weak curvature of main vein

PETIOLE: weak green colour on upper side, absent or very weak anthocyanin colouration on upper side, absent or weak anthocyanin on lower side

TRANSITIONAL LEAVES: absent or weak lobing, absent or weak curvature along main vein

BRACT: ovate, light yellow (RHS 11C) on upper and lower side, medium folding along main vein, no twisting, medium rugosity between veins

CYATHIUM: small to medium sized glands, cyathia open early to midseason

Origin and Breeding: 'PER5506' was discovered at the Paul Ecke Ranch in Encinitas, California, USA in September 2005. The variety was selected for its vigorous growth habit, light yellowish-white bract colour and dark green foliage.

Tests and Trials: Trials for 'PER5506' were conducted in a greenhouse in St. Catharines, Ontario. The trial included a total of 25 plants each of the candidate variety and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on August 29, 2008. Observations and measurements were taken from 10 plants of each variety on December 2, 2008. All colour determinations were made using the 2001 Royal Horticultural Society Colour Chart.

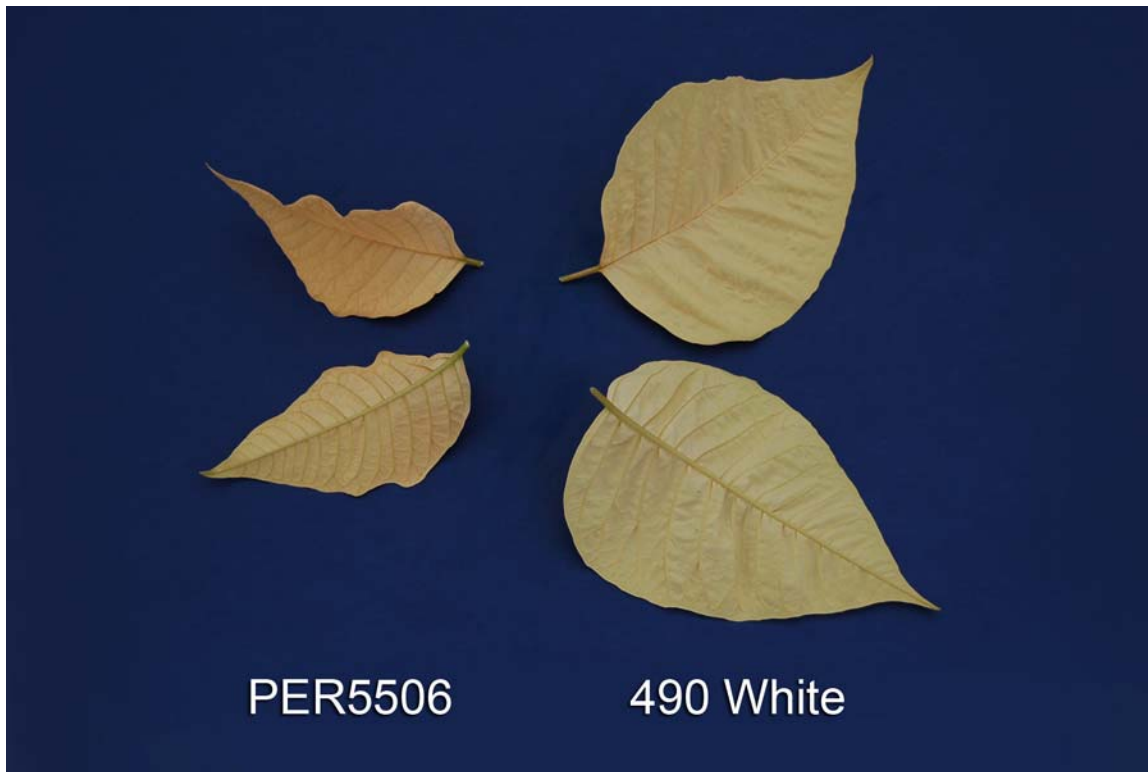
Comparison table for 'PER5506'

	'PER5506'	'490 White'
<i>Bract length (cm)</i>		
mean	13.8	17.1
std. deviation	0.74	1.00
<i>Bract width (cm)</i>		
mean	6.9	10.3
std. deviation	0.59	0.79
<i>Colour of bract (RHS)</i>		
upper side	11C, 38C along veins of inner bracts	9D
lower side	11C	9D

*reference variety



Poinsettia: 'PER5506' (left) with reference variety '490 White' (right)



Poinsettia: 'PER5506' (left) with reference variety '490 White' (right)

Proposed denomination: 'PER6406'
Trade name: Classic Pink
Application number: 07-5964
Application date: 2007/07/13
Applicant: Paul Ecke Ranch, Inc., Encinitas, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Ruth Kobayashi, Paul Ecke Ranch, Inc., Carlsbad, California, United States of America

Variety used for comparison: '490 Pink' (Freedom Pink)

Summary: 'PER6406' has a shorter, narrower bract than '490 Pink'. The upper side of the bract is red pink with dark pink red at the margin and veins for 'PER6406' while the upper side of the bract of '490 Pink' is dark pink red with red along the midrib and veins.

Description:

PLANT: branching present

STEM: medium green colour on middle third, weak anthocyanin colouration on middle third, medium to strong anthocyanin on upper third

LEAF: ovate, wedge shaped to rounded base, one colour on upper side, strong green colour on upper side, green main vein on upper side, absent or very weak development of lobes, absent or weak curvature of main vein

PETIOLE: strong green colour on upper side, medium to strong anthocyanin colouration on upper side, very weak anthocyanin on lower side

TRANSITIONAL LEAVES: absent or weak lobing, absent or weak curvature along main vein

BRACT: ovate, red pink on upper side with dark pink red at margin and veins, newly opened bracts red (RHS 47B) with dark pink red (RHS 53C) along veins, lower side brown red (RHS 181D) with tones of light red pink (RHS 35D), weak to medium folding along main vein, weak twisting, medium rugosity between veins

CYATHIUM: medium sized glands, glands yellow with red, cyathia open early to midseason

Origin and Breeding: 'PER6406' was discovered at the Paul Ecke Ranch in Encinitas, California, USA in September 2005. The variety was selected for its vigorous growth habit, bract colour and dark green foliage.

Tests and Trials: Trials for 'PER6406' were conducted in a greenhouse in St. Catharines, Ontario. The trial included a total of 25 plants each of the candidate variety and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on August 29, 2008. Observations and measurements were taken from 10 plants of each variety on December 2, 2008. All colour determinations were made using the 2001 Royal Horticultural Society Colour Chart.

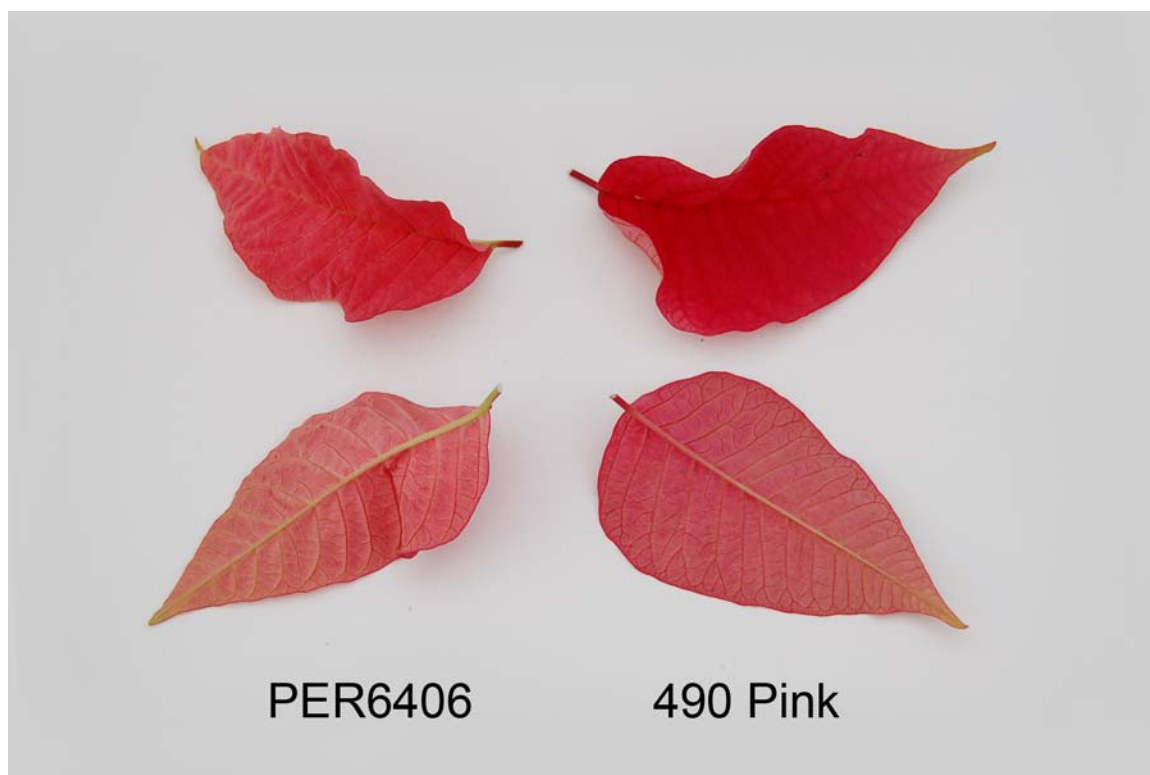
Comparison table for 'PER6406'

	'PER6406'	'490 Pink'*
<i>Bract length (cm)</i>		
mean	14.27	16.37
std. deviation	1.05	1.36
<i>Bract width (cm)</i>		
mean	6.68	8.79
std. deviation	0.65	0.81
<i>Bract colour (RHS)</i>		
upper side	47D, 53C-D at margin/veins	51A-B, 46C at midrib and veins

*reference variety



Poinsettia: 'PER6406' (left) with reference variety '490 Pink' (right)



Poinsettia: 'PER6406' (left) with reference variety '490 Pink' (right)
