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(12) **United States Plant Patent**  
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(54) **CATHARANTHUS PLANT NAMED**  
**‘SUNCATHA 2335’**

(50) Latin Name: *Catharanthus roseus*  
Varietal Denomination: **Suncatha 2335**

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(51) **Int. Cl.**  
**A01H 5/02** (2006.01)

(52) **U.S. Cl.**  
USPC ..... **Plt./263.1**  
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(58) **Field of Classification Search**  
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CPC ..... **A01H 5/02; A01H 5/00**  
See application file for complete search history.

(56) **References Cited**

**PUBLICATIONS**

“2012 Spring-Summer gardening catalog,” Daiichi Engei Co., Ltd., Oct. 2011, pp. 20-21.  
Registration No. 21647, Registration date Mar. 19, 2012, Suntory Flowers Company, 1 page.

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(57) **ABSTRACT**

Disclosed herein is a new and distinct variety of *Catharanthus* plant having vigorous, upright plant habit, abundant branching, especially basally branching, developed from the base of the plant throughout the growing season and great profusion of double, bright red purple flowers.

**2 Drawing Sheets**

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Botanical designation: *Catharanthus roseus*.  
Cultivar denomination: ‘Suncatha 2335’.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct variety of *Catharanthus* plant, which is hereinafter referred to by the name of ‘Suncatha 2335’.

*Catharanthus roseus*, which is also known as *Vinca rosea*, is a very popular plant that is used for flower bedding and potting in the summer and autumn season.

The purpose of this invention is to obtain a new *Catharanthus* cultivar having vigorous, upright plant characteristics, abundant branching, especially basally branching, developed from the base of the plant throughout the growing season and great profusion of double, bright red purple flowers, the entire bush remaining in bloom for a considerable period of time.

The new *Catharanthus* plant was originated from a cross-pollination of the female parent ‘S22-P-5’ and the male parent ‘Daiichi-SIR22-16’. The female parent ‘S22-P-5’ (unpatented) used in the crossing of ‘Suncatha 2335’ is a strain of applicant’s breeding lines (i.e., proprietary *Catharanthus roseus* selection), having pale pink petals, and the male parent ‘Daiichi-SIR22-16’ used in the crossing of ‘Suncatha 2335’ is a strain of applicant’s breeding lines (i.e., proprietary *Catharanthus roseus* selection), having red single petals, which was applied for Japanese plant variety protection (the application number: 25152; the application

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date: 2010 Aug. 31; the registration number: 21647; the registration date: 2012 Mar. 19). The cross-pollination was conducted in Sep. 10, 2010 at Yame-gun, Fukuoka, Japan.

In February 2012, the seedlings obtained by the crossing were planted in field, and some seedlings were selected in view of growth habit, flower size and color thereof. In August 2012, the stem tip culturing was carried out, and then the propagation was started.

In July 2013, the cultivation of the seedlings was repeated. The botanical characteristics of that plant were then examined, using similar varieties ‘Daiichi-S23-25’ and ‘Daiichi-SIR22-16’ for comparison. As a result, it was concluded that this *Catharanthus* plant is distinguishable from any other variety, whose existence is currently known, and is uniform and stable in its characteristics.

The new variety of *Catharanthus roseus* plant is named ‘Suncatha 2335’.

**SUMMARY OF THE INVENTION**

This new variety is unlike any *Catharanthus* plants commercially available as evidenced by the following unique combinations of characteristics.

1. Vigorous, upright plant characteristics.
2. Abundant branching, especially basally branching, developed from the base of the plant throughout the growing season.

3. Great profusion of double, bright red purple flowers, the entire bush remaining in bloom for a considerable period of time.

The new variety ‘Suncatha 2335’ differs from the similar variety ‘Daiichi-S23-25’, which was applied for Japanese plant variety protection (the application number: 27372; the application date: Sep. 3, 2012; the registration number 23254; the registration date: Mar. 12, 2014), in the following points.

1. The main color of surface of corolla lobe of ‘Suncatha 2335’ is bright red purple (RHS N66C). That of ‘Daiichi-S23-25’ is PURPLE-VIOLET (RHS near N80A).

The new variety ‘Suncatha 2335’ differs from the similar variety ‘Daiichi-SIR22-16’, which was applied for Japanese plant variety protection (the application number: 25152; the application date: 2010 Aug. 31; the registration number 21647; the registration date: Mar. 19, 2012), in the following points.

1. The main color of surface of corolla lobe of ‘Suncatha 2335’ is bright red purple (RHS N66C). That of ‘Daiichi-SIR22-16’ is white (RHS NN155C).

2. The leaf size (L×W) of ‘Suncatha 2335’ is 49 mm×23 mm. That of ‘Daiichi-SIR22-16’ is 45 mm×28 mm.

3. The petiole length of ‘Suncatha 2335’ is 10.5 mm. That of ‘Daiichi-SIR22-16’ is 7.0 mm.

This new variety of *Catharanthus* plant ‘Suncatha 2335’ was asexially reproduced by the use of cuttings at Higashiomi, Shiga, Japan, and homogeneity and stability thereof were confirmed. The instant plant retains its distinctive characteristics and produces true to type in successive generations.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The depicted plants had been reproduced by the use of cuttings and were photographed during October 2013 while growing outdoors in wall pots with about 15 cm of container size at an age of approximately 6 months.

The second sheet is a photograph of a typical plant of the new variety of *Catharanthus* plant ‘Suncatha 2335’ while growing in a pot.

The first sheet is a photograph of a close view of flowers of the new variety of *Catharanthus* plant ‘Suncatha 2335’.

DETAILED BOTANICAL DESCRIPTION

In October 2013, the cultivation of the seedlings was repeated at Higashiomi, Shiga, Japan. The average day temperature was about 25° C., and the average night temperature was about 15° C. The plants were grown under natural sunlight. The number of days to flowering (response time) was about 3 to 4 weeks. The keeping quality was about 180 days. The plants had temperature resistance to about 5° C. (the lowest temperature) and about 35 to 40° C. (the highest temperature). Further, the plants had the same tolerance to pests and pathogens as a typical *Catharanthus* plant.

For the parentage information: The female parent ‘S22-P-5’ (unpatented) used in the crossing of ‘Suncatha 2335’ is a strain of applicant’s breeding lines (i.e., proprietary *Catharanthus roseus* selection), having pale pink petals, and the male parent ‘Daiichi-SIR22-16’ used in the crossing of ‘Suncatha 2335’ is a strain of applicant’s breeding lines (i.e., proprietary *Catharanthus roseus* selection), having red single petals, which was applied for Japanese plant variety protection (the application number: 25152; the application

date: Aug. 31, 2010; the registration number: 21647; the registration date: Mar. 19, 2012).

For the propagation information: the new cultivar was propagated by cutting; the number of days to initiate roots during the summer was about two weeks; approximate soil and/or air temperature during the summer was around 30° C.; the number of days to initiate roots during the winter was about three weeks; approximate soil and/or air temperature during the winter was around 25° C.; the number of days to produce a rooted young plant during the summer was about five weeks; the number of days to produce a rooted young plant during the winter was about six weeks; root density was moderate; root branching was free; root color was white; and root texture was fibrous.

The botanical characteristics of the new and distinct variety of *Catharanthus* plant named ‘Suncatha 2335’ at an age of approximately 4 months are shown in the following Table. In the following description, the color-coding is in accordance with the Horticultural Colour Chart of The Royal Horticultural Society, London, England (R.H.S. Colour Chart The 5th edition 2007).

PLANT VARIETY DESCRIPTION	
CHARACTERISTIC	APPLICATION VARIETY Suncatha 2335
ANNUAL, BIENNIAL or PERENNIAL?	Grown as annual
TYPE OF PLANT: i.e., TREE, SHRUB, SUBSHRUB, VINE, CUT FLOWER, POTTED PLANT	Potted plant
APPROPRIATE CONTAINERS +/-or CROPPING SYSTEM	Ideal for pots, hanging baskets.
GROWTH HABIT	Upright
PLANT HEIGHT	About 22.0 cm
PLANT DIAMETER OR AREA OF SPREAD	About 25.0 cm
PLANT VIGOR	Vigorous
BRANCHING HABIT	Freely branching
BASAL BRANCHING?	Present
PINCHING REQUIRED?	Not required.
NUMBER OF LATERAL BRANCHES	About 7
NUMBER OF SECONDARY LATERAL BRANCHES	About 2
LATERAL BRANCH LENGTH	About 20.5 cm
LATERAL BRANCH DIAMETER	About 4.3 mm
INTERNODE LENGTH	About 22.5 mm
STEM ASPECT	Upright to outward
RHS Near 142C	
STEM COLOR (and bark color, if applicable)	Upper: with anthocyanin pigmentation colored 182B
STEM COLOR (if any)	RHS Near 182B
STEM PUBESCENCE	Present, few
OTHER PLANT/STEM CHARACTERISTICS	—
LEAF ARRANGEMENT	Opposite
COMPOUND OR SIMPLE?	Simple
QUANTITY OF LEAVES PER LATERAL BRANCH	About 12
LEAF (LEAFLET) SHAPE	Narrow elliptic
LEAF (LEAFLET) TIP	Acute
LEAF (LEAFLET) BASE	Obtuse
LEAF LENGTH	About 49.1 mm
LEAF WIDTH	About 23.0 mm
LEAF THICKNESS	About 0.3 mm
LEAF (LEAFLET) TEXTURE	Pubescent, both sides
LEAF PUBESCENCE?	Present
LEAF (LEAFLET) MARGIN	Entire
VENATION PATTERN	Reticulate venation
LEAF COLOR, YOUNG, UPPER SIDE	RHS Near 137A
LEAF COLOR, YOUNG, UNDER SIDE	RHS Near 137D
LEAF COLOR, MATURE, UPPER SIDE	RHS Near141B~143B
LEAF COLOR, MATURE, UNDER SIDE	RHS Near N137C
VENATION COLOR, UPPER SIDE	RHS Near 137C

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PLANT VARIETY DESCRIPTION	
CHARACTERISTIC	APPLICATION VARIETY Suncatha 2335
VENATION COLOR, UNDER SIDE	RHS Near 142D
VARIEGATION?	Absent
PETIOLE?	Present
PETIOLE LENGTH	About 10.5 mm
PETIOLE DIAMETER	About 3.3 mm
PETIOLE TEXTURE	Pubescent
PETIOLE COLOR	RHS Near 182A
OTHER FOLIAGE CHARACTERISTICS	—
FLOWER ARRANGEMENT	Borne in upper leaf axils.
INFLORESCENCE TYPE OR FORM (if applicable)	Solitary
QUANTITY OF FLOWERS PER PLANT	About 40
FLOWER TYPE or FORM	Double
FLOWERING HABIT	Continuously
NATURAL FLOWERING SEASON	Early summer to late autumn
TIME TO FLOWER OR RESPONSE TIME	About 2~3 weeks
FRAGRANCE	Absent
FLOWER BUD LENGTH	About 38.9 mm
FLOWER BUD DIAMETER	About 6.9 mm
FLOWER BUD SHAPE	Clavate
FLOWER BUD COLOR	RHS Naer 65D
FLOWER ASPECT; i.e., UPRIGHT, OUTWARD, DROOPING, etc.	Upright
FLOWER PARACOROLLA	Present
FLOWER DIAMETER	About 43.4 mm
FLOWER DEPTH (HEIGHT)	About 43.6 mm
FLOWER LONGEVITY ON PLANT	About 2~3 days
PERSISTENT OR SELF-CLEANING?	Not persistent.
PETAL TEXTURE, UPPER SURFACE	Smooth
PETAL TEXTURE, LOWER SURFACE	Smooth
TUBE TEXTURE	Smooth, pubescent
PETAL ARRANGEMENT	Free
PETAL NUMBER	10, Double
PETALS FUSED?	Fused
PETAL SHAPE	Outside: Oblanceolate Inside: Obtrullate
PETAL MARGIN	Absent or very weak
ASYMMETRY OR SYMMETRY	Outside: Asymmetry Inside: Symmetry
PETAL TIP	Mucronate
PETAL BASE	Fused
PETAL LENGTH	Outside: about 24.9 mm Inside: about 20.1 mm
PETAL WIDTH	Outside: about 16.5 mm Inside: about 10.0 mm
NUMBER OF PETAL COLOR, UPPER SIDE (EXCEPT FLOWER EYE)	1
PETAL COLOR , WHEN OPENING, UPPERSIDE	RHS Near N57C
PETAL COLOR , WHEN OPENING, LOWERSIDE	RHS Near 65C
PETAL COLOR, FULLY OPENED, UPPERSIDE	RHS Near N66C
PETAL COLOR, FULLY OPENED, LOWERSIDE	Petal tip: RHS Near 65A~65C
FLOWER EYE	Present
FLOWER EYE DIAMETER	About 4.0 mm
FLOWER EYE COLOR	RHS Near 60B
RECEPTACLE	Absent
RECEPTACLE COLOR	—
TUBE DIAMETER	About 1.7 mm

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PLANT VARIETY DESCRIPTION	
CHARACTERISTIC	APPLICATION VARIETY Suncatha 2335
TUBE LENGTH	About 25.1 mm
THROAT COLOR(inside)	RHS Near 145B~145D
TUBE COLOR(outside)	RHS Near 145A~145B Base: with anthocyanin pigmentation colored 181C
SEPAL ARRANGEMENT	Single whorl
NUMBER OF SEPALS	5
SEPAL SHAPE	Linear-triangular
SEPAL MARGIN	Entire
SEPAL TIP	Acute
SEPAL BASE	Fused
SEPAL LENGTH	About 2.9 mm
SEPAL WIDTH	About 0.9 mm
SEPAL COLOR,IMMATURE, UPPER SIDE	RHS Near 144B
SEPAL COLOR,IMMATURE, UNDER SIDE	RHS Near 144B
SEPAL COLOR,MATURE, UPPER SIDE	RHS Near 144B
SEPAL COLOR,MATURE, UNDER SIDE	RHS Near 144B
CALYX SHAPE	Star shape
CALYX LENGTH	About 3.8 mm
CALYX DIAMETER	About 4.8 mm
PEDUNCLE LENGTH	About 3.4 mm
PEDUNCLE DIAMETER	About 1.8 mm
PEDUNCLE ANGLE	Upright, slanting above
PEDUNCLE TEXTURE	Smooth
PEDUNCLE COLOR	RHS Near 144B
STAMEN NUMBER	5
STAMEN LENGTH	About 3.1 mm
ANTHER SHAPE	Narrow elliptic
ANTHER SIZE	(L) About 2.9 mm
ANTHER SIZE	(W) About 1.2 mm
ANTHER COLOR	RHS Near 8C
AMOUNT OF POLLEN	Few
POLLEN COLOR	RHS Near 8D
PISTIL NUMBER	1
PISTIL LENGTH	About 20.8 mm
STIGMA SHAPE	Transversely ellipsoidal
STIGMA COLOR	RHS Near 145A
STYLE COLOR	RHS Near 145C
Ovary color	RHS Near 145B
OTHER FLOWER CHARACTERISTICS	—
QUANTITY OF SEEDS	Seeds production has not been observed. Fibrous root
ROOT STRUCTURES such as BULBS, CORMS or RHIZOMES?	
LOW TEMPERATURE TOLERANCE	Around 5° C.
HIGH TEMPERATURE TOLERANCE	Around 35° C.~40° C.
DISEASE RESISTANCE AND/OR SUSCEPTIBILITY	Normal
RESISTANCE OF PESTS AND/OR SUSCEPTIBILITY	Normal

This new variety of *Catharanthus* plant having the above botanical characteristics is suitable for flower bedding and potting, particularly in hanging pots or planters.

What is claimed:

1. A new and distinct variety of *Catharanthus* plant named 'Suncatha 2335', substantially as herein illustrated and described.

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