



US00PP19754P3

(12) **United States Plant Patent**
Jauchen

(10) **Patent No.:** **US PP19,754 P3**
(45) **Date of Patent:** **Feb. 24, 2009**

(54) **MINIATURE ROSE PLANT ‘PACTWENTY’**

(50) Latin Name: *Rosa hybrida*
Varietal Denomination: **PACTtwenty**

(76) Inventor: **Daniel Jauchen**, 905 S. Patterson Ave.,
Santa Barbara, CA (US) 93111

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **11/715,489**

(22) Filed: **Mar. 8, 2007**

(65) **Prior Publication Data**

US 2008/0222759 P1 Sep. 11, 2008

(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./121**

(58) **Field of Classification Search** **Plt./121**
See application file for complete search history.

Primary Examiner—Annette H Para

Assistant Examiner—S. B. McCormick-Ewoldt

(57) **ABSTRACT**

A new miniature rose plant which has abundant, pink colored flowers and attractive foliage. The variety successfully propagates from softwood cuttings and is suitable for year round production in commercial glass houses as a flowering pot plant. This new and distinct variety has shown to be uniform and stable in the resulting generations from asexual propagation.

2 Drawing Sheets

1

Botanical designation: *Rosa hybrida*.
Variety denomination: ‘PACTtwenty’.

BACKGROUND OF THE INVENTION

The present invention constitutes a new and distinct variety of miniature rose plant, which was developed by artificially pollinating an unnamed seedling (not patented) with an unnamed seedling (not patented). The two parents were crossed in the summer of 2004 and the resulting seed was sown in December 2004, in a controlled glasshouse environment. Out of these seedlings one seedling was selected, as the new variety and named ‘PACTtwenty’. The new rose may be distinguished from its seed parent, an unnamed seedling, by the following combination of characteristics:

1. ‘PACTtwenty’ has medium double flowers, while the unnamed seedling has medium single flowers.
2. ‘PACTtwenty’ has pink colored petals, while the unnamed seedling has red petals.

The new variety may distinguished from its pollen parent, an unnamed seedling created by the same inventor, by the following combination of characteristics:

1. ‘PACTtwenty’, has medium double flowers, while the unnamed seedling has big double flowers.
2. ‘PACTtwenty’ pink colored petals, while the unnamed seedling has white petals.

BRIEF SUMMARY OF THE INVENTION

Initial asexual reproduction of ‘PACTtwenty’ by cuttings was first done in Santa Barbara, Calif., USA. This initial and other subsequent propagations conducted in controlled environments have demonstrated that the characteristics of ‘PACTtwenty’ are true to type and are transmitted one generation to the next. ‘PACTtwenty’ is a low and compact miniature rose with good vigor.

The objective of the hybridization of this rose variety for commercial greenhouse culture was to create a new and distinct variety with:

2

1. Uniform and abundant flowers with good keepability;
2. Attractive long lasting foliage and compact growth;
3. Year round flowering under glasshouse conditions;
4. Suitability for production from softwood cuttings in pots;
5. Durable flowers and foliage which make the variety suitable for distribution in the floral industry.

This combination of qualities was not present in previously available commercial cultivars of this type, known to the inventor, and distinguish ‘PACTtwenty’ from all other varieties of which I am aware.

The seeds from hybridization were planted in a controlled environment and evaluations were conducted on the resulting plants. ‘PACTtwenty’ was selected by, Daniel Jauchen, in his development program in Santa Barbara, Calif., USA.

BRIEF DESCRIPTIONS OF THE DRAWINGS

The accompanying color illustrations show as true as is reasonably to obtain in color photographs of this type, the typical characteristics of the buds, flowers, leaves, stems of ‘PACTtwenty’. Specifically illustrated in the drawings:

On Sheet 1/2

- 1: Young shoot.
- 2: Bud before opening the sepals.
- 3: Bud at the stage of opening the sepals.
- 4: Bud at the stage of opening the petals.
- 5: Flower during course of opening.
- 6: Open flower-plan view-obverse.
- 7: Open flower-plan view-reverse.
- 8: Fully open flower-plan view-obverse.
- 9: Fully open flower-plan view-reverse.

On Sheet 2/2

- 10: Receptacle showing stamens and pistils.

- 11: Receptacle showing pistils (stamens and sepals removed).
- 12: Flower petals, detached-inner surface.
- 13: Flower petals, detached-outer surface.
- 14: Bare stem exhibiting thorns and flower attachment.
- 15: Three leaflets upper side.
- 16: Three leaflets reverse side.
- 17: Five leaflets upper side.
- 18: Five leaflets reverse side.

DETAILED BOTANICAL DESCRIPTION OF THE VARIETY

The following is a detailed description of the Miniature Rose: *Rosa hybrida* ‘PACtwenty’.

The following observations, measurements, values and comparisons describe plants grown in glass houses in Santa Barbara, Calif., USA.

The age of the observed plants were 3 months after propagation by cuttings, and produced as flowering pot plants in container of 10 centimeter in diameter. Environmental conditions in the cultivation area for the observed plants, has been temperatures from 64 to 78 degree Fahrenheit, and 10 to 20 hours day length with assimilation light. Light levels from 600 foot candle to 6000 foot candle. The relative humidity has been ranging from 50 to 85%.

Color references are made using The Royal Horticultural Society (London, England) Colour Chart, 1995, except where common terms of color are used. For a comparison, the nearest existing rose variety is ‘POULra018’, a rose variety described and illustrated in U.S. Plant Pat. No. 15,405.

Chart 1 details several physical characteristics of ‘PACtwenty’ and ‘POULra018’.

CHART 1		
	‘PACtwenty’	‘POULra0018’
Petal color, Upper surface	Red Group 49D	Red Group 55C
Petal color, Reverse surface	Red Group 49D	Red-Purple Group 49D
Petal count	50 to 55	30 to 35

Parents: Unnamed seedling×unnamed seedling.
Classification:
 Botanical.—*Rosa hybrida*.
 Commercial.—Miniature.
Plant:
 Plant growth.—Moderately vigorous. Grows compact upright to bushy. When grown as 10 cm pot plant, the average height of the plant itself is 18 cm to 20 cm, and average width is 20 cm. When grown as a 15 cm pot plant, the average height of the plant itself is 22 cm to 27 cm, and average width is 30 cm.
Stem:
 Color.—Young wood: Green Group 138A. Older wood: Green Group 137A to 137B.
 Thorns.—Incidence: None.
 Surface.—Young wood: Smooth. Older wood: Smooth.
 Stem diameter.—2 mm to 3 mm.
 Internode length.—25 mm to 35 mm.
 Numbers of internodes.—5 to 6.

Plant foliage: Leaves arranged alternately, compound with 3 to 5 leaflets per leaf, generally symmetrical, abundant, and flat in aspect. Stipules at petiole base.
 Quantity of leaves.—5 to 6 per lateral branch.
 Leaf size.—Length 50 mm to 65 mm, width 35 mm to 40 mm.
 Petioles.—Color: Green Group 137A, with intonations of Greyed-Purple Group 184A. Margins: Entire. Length: 5 mm to 12 mm. Diameter: about 0.5 mm to 1 mm.
 Stipules.—Size: Length 2 mm to 4 mm, width 1 mm to 2 mm. Surface: Smooth. Color for upper surface: Green Group 137C. Color for lower surface: Green Group 139B. Margins: Entire. Number of stipules per leaf: two.
 Rachis.—Color: Green Group 137A, with intonations of Greyed-Purple Group 184A. Margins: Entire. Length: 15 mm to 35 mm. Diameter: 0.5 mm to 1 mm.
 Leaflets.—Edge: Serrated. Serration: Single. Shape: Ovate with acute apex and obtuse base. Texture: Smooth. Appearance: Dull. Size: length: 12 mm to 30 mm, width: 8 mm to 20 mm. Color: Young foliage: Upper surface: Green Group 137A. Lower surface: Green Group 137C. Color: Mature foliage: Upper surface: Green Group 136A. Lower surface: Yellow-Green Group 147B with intonations of Greyed-Purple Group 184A. Leaf vein color: Upper surface: Green Group 136A. Reverse surface: Green Group 147B.
Inflorescence:
 Blooming habit.—Recurrent.
 Number of flowers.—Generally one bud per flowering stem.
 Peduncle.—Color: Green Group between 137B and 137D. Texture: Smooth. Length: 25 mm to 40 mm. Diameter: 1 mm to 2 mm. Strength: Upright.
 Receptacle.—Surface: Smooth, glabrous. Shape: Funnel-shaped. Size: height 5 mm to 6 mm, width 5 mm to 6 mm. Color: Green Group 137C.
 Sepals.—Quantity: five. Shape: Narrowly ovate with acute tip. Texture: Leathery. Margin: Foliaceous appendages on two of the five sepals. Appearance: Dull. Color: Upper surface: Green Group 136A. Reverse surface: Green Group between 137B and 137C. Size: Length 20 mm to 25 mm, width 3 mm to 5 mm.
 Buds.—Size: Height 10 mm to 15 mm, diameter 7 mm to 10 mm, Upon opening. Shape: Cupped to Ovoid. Color: At ¼ opening, Red Group 49A.
 Flower.—Duration: As a pot plant, flowers last from 12 to 16 days. Fragrance: None. Size: 25 mm to 50 mm in diameter. Depth: 15 mm to 20 mm. Form: Shape of flower when viewed from the side: Upon opening: Cupped to ovoid. Open flower: Flat. Color: Petals, upon opening: Upper surface: Outer petals Red Group 49D, with Intonations of Red-Purple Group 66A. Base in White Group 155D. Inner petals Red-Purple Group 66A, with intonations in White group 155D base in Yellow Group 13A. Reverse surface: Outer petals Red Group 49D, with Intonations of Red-Purple Group 66A. Base in White Group 155D. Inner petals Red-Purple Group 66A, with intonations in White group 155D, base in Yellow Group 13A. Petals after opening: Upper surface: Outer petals Red Group 49D, with Intonations of Red-Purple Group 66A. Base in White Group 155D, Inner petals Red-

Purple Group 66A, with intonations in White group 155D, base in Yellow Group 13A. Reverse surface: Outer petals Red Group 49D, with Intonations of Red-Purple Group 66A. Base in White Group 155D, Inner petals Red-Purple Group 66A, with intonations in White group 155D, base in Yellow Group 13A. General tonality: On open flower: Third day: Red Group 49C. Afterwards: Red Group 49C.

Petals.—Petal reflex: Outermost petals reflex backwards at opening. Fully open all petals reflex backwards. Texture: Smooth. Petal edge: Entire. Petal count: 50 to 55 on the average per flower. Petal size: Length 14 mm to 18 mm, width 12 mm to 18 mm. Shape: Outer petals: Round — ovate. Inner petals: Ovate. Apex: Rotundate. Base: Obtuse to rotundate. Petaloids: none.

Reproductive organs.—Stamen number: Approximately 25 to 30 on average per flower. Stamens length: 4 mm to 5 mm. Pollen: Color: Greyed-Orange Group 167B. Abundance: Heavy. Anthers: Size: 1 mm to 1.5 mm. Color: Greyed-Orange Group 173A. Shape: Oblong. Filaments: Size: 3 mm to 4 mm. Color: Yellow Group 13A. Pistils number: Approximately 30 to 35 on average per flower. Stigmas: Location: Protrude more than the anthers. Color: Greyed-Orange Group 169A. Styles: Color: Yellow-White Group 158C. Length: 5 mm to 6 mm.

Development:

Vegetation.—Dense.

Blooming.—Abundant.

Aptitude to bear fruit.—Poor.

Resistance to diseases.—Above average resistance to mildew and Botrytis under normal growing conditions in Santa Barbara, Calif., USA. Hips/seeds has not been observed due to that the plant has never been grown to the stage of seed development, due to the fact, that the variety is developed for use as a flowering pot plant only.

Winter hardiness & drought/heat tolerance.—Due to the fact, that this variety is a potted flowering plant, developed indoor use only, the plant is not tested for winter hardiness or drought/heat tolerance.

It is claimed:

1. A new and distinct variety of Rose plant of the miniature class, substantially as herein illustrated and described as a distinct and novel rose variety due to its abundant pink flowers, attractive long lasting foliage, vigorous and compact growth, year round flowering under glasshouse conditions, suitability for production from softwood cuttings in pots, and durable flowers and foliage which make the variety suitable for distribution in the floral industry.

* * * * *



