



US00PP22847P3

(12) **United States Plant Patent**
Klemm et al.

(10) **Patent No.:** **US PP22,847 P3**
(45) **Date of Patent:** **Jul. 10, 2012**

(54) **POINSETTIA PLANT NAMED ‘NPCW10184’**

(50) Latin Name: *Euphorbia pulcherrima* Willd. ex
Klotzsch
Varietal Denomination: **NPCW10184**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 5 days.

(21) Appl. No.: **12/925,793**

(22) Filed: **Oct. 29, 2010**

(65) **Prior Publication Data**

US 2012/0110711 P1 May 3, 2012

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

(52) **U.S. Cl.** **Plt./306**

(58) **Field of Classification Search** **Plt./306**
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP18,484 P3 * 2/2008 Zerr **Plt./303**
PP19,020 P2 * 7/2008 Klemm **Plt./307**

OTHER PUBLICATIONS

Broertjes et al. “Application of Mutation Breeding Methods in the
Improvement of Vegetatively Propagated Crops,” 1978, pp. 118-
119.*

* cited by examiner

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(57) **ABSTRACT**

A new poinsettia plant named ‘NPCW10184’ particularly
distinguished by its upright growth habit and intensive mar-
bling color pattern is disclosed.

1 Drawing Sheet

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Genus and species: *Euphorbia pulcherrima* Willd. ex
Klotzsch.

Variety denomination: ‘NPCW10184’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct variety
of poinsettia plant, botanically known as *Euphorbia pulcher-
rima* Willd. ex Klotzsch and hereinafter referred to by the
variety name ‘NPCW10184’. The new variety is the result of
a 30 gray radiation induced mutation in the parent plant
‘Christmas Angel’ (U.S. Plant Pat. No. 19,020) in 2007. A
single plant selection was subsequently chosen for further
evaluation and asexual propagation.

‘NPCW10184’ was first propagated via vegetative cuttings
and has been asexually reproduced by vegetative cuttings in
Stuttgart, Germany for over six generations. ‘NPCW10184’
has been found to retain its distinctive characteristics through
successive asexual propagations via vegetative cuttings.

‘NPCW10184’ has not been sold or made publicly avail-
able more than one year prior to the filing date of this appli-
cation.

SUMMARY OF THE INVENTION

The following are the most outstanding and distinguishing
characteristics of this new variety when grown under normal
horticultural practices in Stuttgart, Germany.

1. Very upright habit; and
2. Intensive marble color pattern.

DESCRIPTION OF THE PHOTOGRAPH

This new poinsettia plant is illustrated by the accompany-
ing photograph which shows overall plant habit including

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blooms, and foliage of the plant; the colors shown are as true
as can be reasonably obtained by conventional photographic
procedures. The photograph is of a whole plant about four-
months-old and in full flower.

DESCRIPTION OF THE NEW VARIETY

The following detailed description sets forth the distinctive
characteristics of ‘NPCW10184’. The data which define
these characteristics were collected from asexual reproduc-
tions carried out in Stuttgart, Germany. The plant history was
taken on four month-old plants grown in 13 cm pots from
August to December 2009 with a minimum pinch date of 32
weeks. The plants were grown in a greenhouse covered with
glass. Color readings were taken under natural light in the
greenhouse. Color references are primarily to The R.H.S.
Colour Chart of The Royal Horticultural Society of London
(R.H.S.) (5th edition 2007).

DETAILED BOTANICAL DESCRIPTION OF THE
NEW PLANT

Classification:

Family.—Euphorbiaceae.

Botanical.—*E. pulcherrima* Willd. ex Klotzsch.

Common.—Poinsettia.

Parentage: ‘Christmas Angel’ (U.S. Plant Pat. No. 19,020).

Growth:

Time to produce a rooted cutting.—3 to 4 weeks.

Blooming habit.—Intermittent; blooms from end of
November to January.

Flowering response time.—Approximately 55 days
from beginning of short days until flowering.

Keeping quality.—Very good.

Plant:

Form.—Triangular.

Growth habit.—Upright.

Height.—20.0 cm to 25.0 cm.

Width.—20.0 cm to 25.0 cm.

Number of branches.—5 to 6.

Average number of inflorescences per plant.—5 to 6.

Stems:

Color.—Lower part: RHS 135C. Upper part: RHS 142B.

Length.—About 20.0 cm.

Internode length.—1.0 cm to 3.0 cm.

Diameter.—0.5 cm to 1.0 cm.

Leaves:

Quantity.—6 to 10 per lateral branch.

Arrangement.—Alternate.

Shape.—Ovate to lanceolate.

Apex.—Acuminate.

Base.—Truncate.

Margin.—Serrate.

Lobes.—Very few. Lobation characteristics: Shallow.

Texture (both surfaces).—Smooth.

Vein color (both surfaces).—RHS 135D.

Variation.—Absent.

Size.—Length: 6.0 cm to 12.0 cm. Width: 4.0 to 7.0 cm.

Color.—Mature foliage: Upper surface: RHS 136A. Lower surface: RHS 138B. Immature foliage: Upper surface: RHS 143B. Lower surface: RHS 143C.

Leaf petiole.—Length: 2.0 cm to 4.0 cm. Diameter: 0.2 cm to 0.3 cm. Color (both surfaces): RHS 143C.

Inflorescence:

Lastingness of inflorescence on the plant.—3 to 4 weeks.

Diameter.—10.0 cm to 16.0 cm.

Height.—2.0 to 3.0 cm.

Bracts:

Number of bracts per inflorescence.—8 (with 4 to 6 secondary bracts).

Shape.—Ovate to lanceolate.

Apex.—Acuminate.

Base.—Rounded.

Margin.—Few shallow lobes.

Size.—Length: 6.0 cm to 10.0 cm. Width: 3.0 cm to 5.0 cm.

Texture (both surfaces).—Smooth.

Vein color.—Upper surface: RHS 1C. Lower surface: RHS 149D.

Bract color.—Upper surface: RHS 1C, center is between RHS 51B and RHS 51C. Lower surface: RHS 1C, center is RHS 51A and RHS 51B.

Bract petiole.—Length: 1.0 cm to 2.0 cm. Diameter: 0.2 cm. Color: Upper surface: RHS 47B. Lower surface: RHS 135D, moving to reddish.

Cyme:

Diameter.—2.0 cm to 3.0 cm.

Cyathia number.—8 to 15 per inflorescence.

Cyathium.—Shape: Ovate. Diameter: 0.3 cm to 0.5 cm. Length: 0.4 cm to 0.7 cm. Color: RHS 135C and RHS 142B.

Peduncle.—Color: RHS 142B. Length: 0.1 cm to 0.2 cm.

Nectar cups.—Number: 1 per cyathia. Diameter: 0.1 cm when closed, 0.2 cm when open. Size: 0.3 to 0.5 cm. Color: RHS 142C when closed, RHS 13B when open.

Reproductive organs:

Stamens.—Quantity: 10 to 15 per cyathia. Shape: Ovate.

Filament.—Length: 0.3 cm. Color: RHS 1D.

Pollen.—Quantity: Moderate. Color: RHS 9A.

Gynoecium.—Present.

Fruit and seed set: No fruit or seed have been observed.

Disease and insect/pest resistance: Good.

COMPARISON WITH COMMERCIAL VARIETY

‘NPCW10184’ differs from the commercial variety ‘Christmas Angel’ (U.S. Plant Pat. No. 19,020) by having marbled bracts that range in color from RHS 1C to between RHS 51B and RHS 51C, more cyathia per inflorescence, and more stamens per cyathia, while ‘Christmas Angel’ has red bracts (RHS 46B), fewer cyathia per inflorescence, and fewer stamens per cyathia.

‘NPCW10184’ differs from the commercial variety ‘Marblestar’ (U.S. Plant Pat. No. 9,685) by having a pink color of RHS 47D and dark green leaves, while ‘Marblestar’ has a pink color of RHS 51B and 51C and light green leaves.

We claim:

1. A new and distinct variety of poinsettia plant named ‘NPCW10184’ as described and shown herein.

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