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Klemm

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(54) **POINSETTIA PLANT NAMED ‘KLEW01052’**
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patent is extended or adjusted under 35
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(58) **Field of Search** Plt./303, 306

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(57) **ABSTRACT**

A new and distinct cultivar of Poinsettia plant named
‘KLEW01052’, characterized by its uniform, upright and
outwardly spreading plant habit; medium green-colored
leaves with green-colored petioles; pink and creamy white
bi-colored flower bracts; early flowering habit; and good
post-production longevity.

1 Drawing Sheet

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BOTANICAL CLASSIFICATION/CULTIVAR
DENOMINATION

Euphorbia pulcherrima Willd. cultivar KLEW01052.

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct culti-
var of Poinsettia plant, botanically known as *Euphorbia*
pulcherrima Willd., and hereinafter referred to by the name
‘KLEW01052’.

The new Poinsettia is a product of a mutation induction
breeding program conducted by the Inventor in Stuttgart,
Germany. The objective of the program is to create new
Poinsettia cultivars with attractive flower bract coloration
and uniform plant habit.

The new Poinsettia originated by exposing cuttings of the
Poinsettia cultivar Kleposan, not patented, to X-ray radiation
in Stuttgart, Germany. After the radiation treatment, cuttings
were planted and flowered. The cultivar KLEW01052 was
discovered and selected by the Inventor as a single flowering
plant in 1997. The selection of this plant was based on its
attractive flower bract coloration and uniform plant habit.

Asexual reproduction of the new Poinsettia by vegetative
terminal cuttings taken at Stuttgart, Germany since 1998,
has shown that the unique features of this new Poinsettia are
stable and reproduced true to type in successive generations
of asexual reproduction.

BRIEF SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and
are determined to be the unique characteristics of
‘KLEW01052’. These characteristics in combination distin-
guish ‘KLEW01052’ as a new and distinct Poinsettia culti-
var:

1. Uniform, upright and outwardly spreading plant habit.
2. Medium green-colored leaves with green-colored peti-
oles.
3. Pink and creamy white bi-colored flower bracts.
4. Response time about 8.5 weeks.
5. Good post-production longevity.

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Plants of the new Poinsettia differ primarily from plants of
the parent, the cultivar Kleposan, in flower bract coloration
as plants of the cultivar Kleposan have red-colored flower
bracts.

5 Plants of the new Poinsettia differ primarily from plants of
the cultivar Klepopisa, U.S. Plant Patent application filed
concurrently, in flower bract coloration as plants of the
cultivar Klepopisa have pink-colored flower bracts.

10 Plants of the new Poinsettia can also be compared to
plants of the cultivar Marblestar, disclosed in U.S. Plant Pat.
No. 9,685. In side-by-side comparisons conducted in
Stuttgart, Germany, plants of the new Poinsettia differed
from plants of the cultivar Marblestar in the following
characteristics:

15 1. Plants of the new Poinsettia were more vigorous than
plants of the cultivar Marblestar.
2. Flower bract color contrast of plants of the new
Poinsettia was less intense than flower bract color contrast of
20 plants of the cultivar Marblestar.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the
overall appearance of the new Poinsettia, showing the colors
as true as it is reasonably possible to obtain in colored
reproductions of this type. Colors in the photograph may
differ slightly from the color values cited in the detailed
botanical description which accurately describe the colors of
30 the new Poinsettia. The photograph comprises a side per-
spective view of a single flowering plant of ‘KLEW01052’
grown in a container.

DETAILED BOTANICAL DESCRIPTION

35 Plants of the new Poinsettia have not been observed under
all possible environmental conditions. The phenotype may
vary somewhat with variations in environment such as
temperature, daylength and light intensity, without,
however, any variance in genotype.
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The aforementioned photographs, following observations
and measurements describe plants grown in Stuttgart, Ger-
many under commercial practice in a glass-covered green-
house with day temperatures ranging from 20 to 30° C. and

night temperatures ranging from 16 to 20° C. Cuttings were harvested in August and planted into 12-cm containers when rooted and pinched once. Plants were flowered under natural season short day/long night conditions. Plants were about 15 weeks from unrooted cuttings when the photographs and the detailed botanical description were taken.

In the following description, color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Euphorbia pulcherrima* Willd. cultivar KLEW01052.

Parentage: Induced mutation of *Euphorbia pulcherrima* Willd. cultivar Kleposan, not patented.

Propagation:

Type cutting.—Vegetative terminal cuttings.

Time to initiate roots.—Summer: About 12 days at 22° C. Winter: About 15 days at 22° C.

Time to produce a rooted cutting.—Summer: About 20 days at 22° C. Winter: About 23 days at 22° C.

Root description.—Fibrous and freely-branching.

Plant description:

Growth habit.—Uniform, upright and outwardly spreading plant habit; inverted triangle; top of plant rounded; vigorous.

Plant height.—About 25 to 35 cm.

Plant diameter or spread.—35 to 45 cm.

Lateral branch description.—Quantity per plant: About five to seven lateral branches develop after pinching. Length: About 25 cm. Diameter: About 5 to 10 mm. Internode length: About 2 to 5 cm. Texture: Smooth, glabrous. Color: 144A to 143C.

Foliage description.—Arrangement: Alternate, single. Quantity of leaves per lateral branch: About 8 to 15. Length: About 4 to 12 cm. Width: About 2 to 7 cm. Shape: Mostly ovate with irregular lobing. Apex: Acute to acuminate. Base: Obtuse. Margin: Entire with irregular lobing. Venation pattern: Pinnate. Texture, upper and lower surfaces: Glabrous, smooth. Color: Young foliage, upper surface: 144B. Young foliage, lower surface: 143C. Fully expanded foliage, upper surface: 137A. Fully expanded foliage, lower surface: 137C. Venation, upper surface: 137A. Venation, lower surface: 138D. Petiole: Length: About 3 to 5 cm. Diameter: About 2.5 mm. Texture: Glabrous, smooth. Color, upper and lower surfaces: 144B.

Inflorescence description:

Inflorescence type and habit.—Inflorescences are compound corymbs of cyathia with colored flower bracts subtending the cyathia. Inflorescences not persistent.

Fragrance.—None detected.

Natural flowering season.—Autumn/winter; flower initiation and development is induced under short day/long night conditions.

Response time.—About 8.5 weeks.

Post-production longevity.—Plants of the new Poinsettia maintain good substance and bract color for about three to four weeks under interior conditions and about four to five weeks under greenhouse conditions.

Quantity of inflorescences.—One per lateral branch; about five to seven per plant.

Inflorescence size.—Diameter: About 15 to 20 cm.

Height (depth).—About 2 to 5 cm.

Flower bracts.—Quantity of fully developed flower bracts per inflorescence: About six to eight. Length: About 7 to 12 cm. Width: About 4 to 7 cm. Shape: Mostly ovate with occasional irregular lobing. Apex: Acute to acuminate. Base: Obtuse. Margin: Entire with occasional irregular lobing. Texture, upper and lower surfaces: Glabrous, smooth. Surface: Slightly rugose. Color: Developing bracts, upper and lower surfaces: Central area, 48C to 51B, surrounded by 11C to the margin; color does not fade with subsequent development. Fully developed bracts, upper surface: Central area, 48C, surrounded by 11C to the margin. Fully developed bracts, lower surface: Central area, 48C to 51B, surrounded by 11C to the margin. Venation, upper and lower surfaces: Same as flower bracts. Bract petiole: Length: About 1 to 3 cm. Diameter: About 2 mm. Texture: Glabrous, smooth. Color: 144B.

Cyathia.—Quantity of cyathia per corymb: About four to eight. Diameter of cyathia cluster: About 1.5 to 3 cm. Length: About 4 to 7 mm. Diameter: About 3 to 5 mm. Shape: Ovoid. Color, immature and mature: 143C.

Nectaries.—Quantity of nectaries per cyathium: One or two. Diameter: About 2 to 3 mm. Color: 13A to 14B.

Peduncle.—Length: About 1 to 2 mm. Diameter: About 1 mm. Aspect: Erect. Strength: Moderately strong. Texture: Glabrous, smooth. Color: 144A to 144B.

Reproductive organs.—Stamens: Quantity of stamens per cyathium: About 5 to 10. Anther shape: Ovoid. Anther length: About 1 mm. Anther color: 9A to 12A. Amount of pollen: Abundant. Pollen color: 9A to 12A. Pistils: Quantity of pistils per cyathium: One. Pistil length: About 3 to 5 mm. Style length: About 2 to 3 mm. Stigma color: 185A.

Disease/pest resistance: Resistance to pathogens and pests common to Poinsettias has not been observed on plants grown under commercial conditions.

It is claimed:

1. A new and distinct cultivar of Poinsettia plant named 'KLEW01052', as illustrated and described.

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