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

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(54) *KALANCHOE* PLANT NAMED '2000-0716'

PP12,300 P2 * 12/2001 Jepsen Plt./341
PP14,587 P2 * 3/2004 Jepsen Plt./341

(50) Latin Name: *Kalanchoe blossfeldiana*
Varietal Denomination: **2000-0716**

OTHER PUBLICATIONS

(75) Inventor: **Knud Jepsen**, Hinnerup (DK)

UPOV ROM GIITM Computer Database, GTI Jouve
Retrieval Software 2003/05 Citation for '2000-0716'.*

(73) Assignee: **Knud Jepsen, A.S.**, Hinnerup (DK)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 84 days.

* cited by examiner

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(21) Appl. No.: **10/654,571**

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(51) **Int. Cl.**⁷ **A01H 5/00**

(57) **ABSTRACT**

(52) **U.S. Cl.** **Plt./341**

A distinct cultivar of *Kalanchoe* plant named '2000-0716'
characterized by its upright plant habit; deeply lobed dark
green-colored leaves; large red-colored flowers; and excel-
lent postproduction longevity.

(58) **Field of Search** Plt./341

(56) **References Cited**

U.S. PATENT DOCUMENTS

1 Drawing Sheet

PP12,299 P2 * 12/2001 Jepsen Plt./338

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2

Botanical classification/cultivar designation: *Kalanchoe
blossfeldiana* cultivar 2000-0716.

The following traits have been repeatedly observed and
are determined to be the unique characteristics of '2000-
0716'. These characteristics in combination distinguish
'2000-0716' as a new and distinct cultivar:

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Kalanchoe* plant, botanically known as *Kalanchoe
blossfeldiana*, and hereinafter referred to by the name '2000-
0716'.

1. Upright plant habit.
2. Deeply lobed dark green-colored leaves.
3. Large red-colored flowers.
4. Excellent postproduction longevity.

The new *Kalanchoe* is a product of a planned breeding
program conducted by the Inventor in Hinnerup, Denmark.
The objective of the breeding program was to create new
freely-flowering *Kalanchoe* cultivars with large flowers,
attractive flower coloration and excellent postproduction
longevity.

Plants of the new *Kalanchoe* differ from plants of the
parent cultivars in petal coloration and postproduction lon-
gevity.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The new *Kalanchoe* originated from a cross-pollination
made in Hinnerup, Denmark, of the *Kalanchoe* cultivar
Yellow African, disclosed in U.S. Plant Pat. No. 12,299, as
the female, or seed, parent with the *Kalanchoe* cultivar Red
Jaqueline, disclosed in U.S. Plant Pat. No. 12,300, as the
male, or pollen, parent. The new *Kalanchoe* was discovered
and selected by the Inventor as a single flowering plant
within the progeny of the stated cross-pollination grown in
a controlled environment in Hinnerup, Denmark.

The accompanying colored photographs illustrate the
overall appearance of the new *Kalanchoe*, showing the
colors as true as it is reasonably possible to obtain in colored
reproductions of this type. Colors in the photographs may
differ slightly from the color values cited in the detailed
botanical description which accurately describe the colors of
the new *Kalanchoe*. The photographs were taken under
diffuse natural light conditions on an overcast day at
approximately noon in Hinnerup, Denmark.

Asexual reproduction of the new *Kalanchoe* by terminal
cuttings taken at Hinnerup, Denmark, by the Inventor, has
shown that the unique features of the new *Kalanchoe* are
stable and reproduced true to type in successive generations.

The photograph at the top of the sheet comprises a side
perspective view of a typical potted plant of '2000-0716'.

The photograph at the bottom of the sheet comprises a top
perspective view of a typical plant of '2000-0716'.

BRIEF SUMMARY OF THE INVENTION

DETAILED BOTANICAL DESCRIPTION

The cultivar of 2000-0716 has 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.

In the following description, color references are made to
The Royal Horticultural Society Colour Chart, 1995 Edition,
except where general terms of ordinary dictionary signifi-
cance are used. Plants used in the photographs and for the
following observations and measurements were grown in

Hinnerup, Denmark, under commercial practice in a glass-covered greenhouse for about 10 weeks after the start of short day/long night photoperiodic treatment with average temperatures of 20° C. Plants used in the description and photographs were not pinched. Unless otherwise specified, the leaf description represents leaves from a vegetative plant.

Botanical classification:

Kalanchoe blossfeldiana cultivar 2000-0716.

Parentage:

Female, or seed, parent.—*Kalanchoe blossfeldiana* cultivar Yellow African, disclosed in U.S. Plant Pat. No. 12,299.

Male, or pollen, parent.—*Kalanchoe blossfeldiana* cultivar Red Jaqueline, disclosed in U.S. Plant Pat. No. 12,300.

Propagation:

Type cutting.—Terminal cuttings.

Time to produce a rooted young plant.—About 14 days.

Root description.—Numerous, fine, fibrous, and well-branched.

Plant description:

Form.—Upright plant habit with numerous compound cymes; freely flowering. Actual plant shape will depend on whether or not plants are pinched (apical terminals removed).

Branching habit.—Freely branching. Pinching (removal of terminal apex) is not required but will enhance lateral branch development.

Plant height at flowering.—About 38 cm.

Plant diameter at flowering.—About 35 cm.

Foliage description.—Arrangement: Opposite, simple. Size: Leaf size is reduced after floral induction. Vegetative plants: Length: About 22 cm. Width: About 18 cm. Reproductive plants: Length: About 10 cm. Width: About 8 cm. Shape: Deeply lobed. Apex: Obtuse. Base: Cuneate to truncate. Margin: Crenate. Aspect: Slightly concave. Texture: Glabrous, leathery; succulent. Color: Developing foliage, upper surface: 146A. Developing foliage, lower surface: 146B. Fully expanded foliage, upper surface: 147A. Fully expanded foliage, lower surface: 147B.

Flower description:

Flower type and habit.—Single flowers arranged in compound dichasial cymes that arise from leaf axils. Upright flowering stems. Freely flowering. Flowers persistent.

Natural flowering season.—Winter to early spring; flower initiation and development can be induced under short day/long night conditions.

Time to flower.—In the summer with 20° C. growing temperatures, about ten weeks of short day/long night conditions are required to produce flowering plants. During the winter with supplemental lighting and 20° C. growing temperatures, about eleven weeks of short day/long night conditions are required to produce flowering plants. Time to flower is primarily dependent upon temperature and light intensity.

Flower opening.—First flower open is the terminal flower at the main axis and is followed by the opening of the terminal flowers of the side branches of the inflorescence. About 1.5 weeks after the first flower has opened, 50% of the remaining flowers are open.

Post-production longevity.—Plants of the new *Kalanchoe* maintain good leaf and flower substance for at least five weeks under interior environmental conditions.

Flower diameter.—About 2.5 cm.

Quantity.—Freely flowering, at least 100 flowers per plant.

Flower buds.—Shape: Narrowly oblong. Length: About 2 cm. Width: About 4 mm. Color: 34B.

Petals.—Quantity: Four fused at base. Length: About 1.2 cm. Diameter: About 1 cm. Shape: Round obovate. Apex: Cuspidate. Margin: Entire. Texture: Glabrous, smooth and satiny. Color: Upper surface: 44B. Lower surface: Irregular areas of 18C and 34C.

Reproductive organs.—Stamens: Stamen number: Eight. Anther shape: Slightly oblong. Filament color: Green. Pollen color: Yellow. Pistils: Pistil number: Four. Style color: Green. Stigma shape: Round. Ovaries: Superior and four-celled. Ovary size: About 9 mm by 3 mm. Ovary color: Light green.

Seed/fruit.—Seed and fruit production has not been observed.

Disease/pest resistance: Resistance to known pathogens and pests common to *Kalanchoe* has not been observed on plants of the new *Kalanchoe* grown under commercial greenhouse conditions.

It is claimed:

1. A new and distinct cultivar of *Kalanchoe* plant named '2000-0716', as illustrated and described.

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