



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

(10) **Patent No.:** **US PP16,088 P2**
(45) **Date of Patent:** **Nov. 1, 2005**

(54) **KALANCHOE PLANT NAMED ‘KJ 2002 0521’**

(50) Latin Name: *Kalanchoe blossfeldiana*
Varietal Denomination: **KJ 2002 0521**

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

(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 53 days.

(21) Appl. No.: **10/917,150**

(22) Filed: **Aug. 12, 2004**

(51) **Int. Cl.**⁷ **A01H 5/00**

(52) **U.S. Cl.** **Plt./335**

(58) **Field of Search** **Plt./335**

(56) **References Cited**

PUBLICATIONS

UPOV ROM GTITM Computer Database, GTI Jouve Retrieval Software 2004/06 Citation for ‘KJ 2002 0521’.*

* cited by examiner

Primary Examiner—Kent Bell

Assistant Examiner—W. C. Haas

(74) *Attorney, Agent, or Firm*—C. A. Whealy

(57) **ABSTRACT**

A distinct cultivar of *Kalanchoe* plant named ‘KJ 2002 0521’, characterized by its upright plant habit; dark green-colored leaves; large red purple-colored flowers with more than 15 petals per flower; and excellent postproduction longevity.

1 Drawing Sheet

1

Botanical designation: *Kalanchoe blossfeldiana*.
Variety denomination: ‘KJ 2002 0521’.

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 ‘KJ 2002 0521’.

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, numerous petals per flower, attractive flower coloration and excellent postproduction longevity.

The new *Kalanchoe* originated from a cross-pollination made in Hinnerup, Denmark, of the *Kalanchoe* cultivar 2001-1855, not patented, the female, or seed, parent with the *Kalanchoe* cultivar Mary (U.S. Plant Pat. No. 14,587), 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.

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

BRIEF SUMMARY OF THE INVENTION

The cultivar KJ 2002 0521 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.

The following traits have been repeatedly observed and are determined to be the unique characteristics of ‘KJ 2002 0521’. These characteristics in combination distinguish ‘KJ 2002 0521’ as a new and distinct cultivar:

2

1. Upright plant habit.
 2. Dark green-colored leaves.
 3. Large dark red purple-colored flowers with more than 15 petals per flower.
 4. Excellent postproduction longevity.
- Plants of the new *Kalanchoe* differ from plants of the parent cultivars in petal number and coloration.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

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 a sunny day at approximately noon in Hinnerup, Denmark.

The photograph at the top of the sheet comprises a side perspective view of a typical potted plant of ‘KJ 2002 0521’ before flower opening.

The photograph at the bottom of the sheet comprises a top perspective view of a typical flowering plant of ‘KJ 2002 0521’.

DETAILED BOTANICAL DESCRIPTION

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. 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 ten to eleven 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 KJ 2002 0521.

Parentage:

Female, or seed, parent.—*Kalanchoe blossfeldiana* cultivar 2001-1855, not patented.

Male, or pollen, parent.—*Kalanchoe blossfeldiana* cultivar Mary (U.S. Plant Pat. No. 14,587).

Propagation:

Type cutting.—Terminal cuttings.

Time to produce a rooted young plant.—About two weeks.

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 24 cm.

Plant diameter at flowering.—About 20 cm.

Foliage description.—Arrangement: Opposite, simple.

Size: Leaf size is reduced after floral induction.

Vegetative plants: Length: About 10 cm. Width:

About 7 cm. Reproductive plants: Length: About 3.5

cm. Width: About 2.5 cm. Shape: Elliptic. Apex:

Rounded. Base: Obtuse. Margin: Slightly crenate;

undulate. Aspect: Slightly concave. Texture, upper

and lower surfaces: Glabrous; leathery; succulent.

Color: Developing foliage, upper surface: 137A.

Developing foliage, lower surface: 137C. 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 one week 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 about five weeks under interior environmental conditions.

Flower diameter.—About 2.2 cm.

Quantity.—Freely flowering, about 125 to 210 flowers per plant.

Flower buds.—Shape: Narrowly oblong. Length: About 1.2 cm. Width: About 7 mm. Color: 63A.

Petals.—Quantity: Typically about 25 fused at base.

Length: About 8 mm. Diameter: About 5 mm. Shape:

Round obovate. Apex: Mucronate. Margin: Entire.

Texture, upper and lower surfaces: Glabrous, smooth

and satiny. Color: Upper surface: Close to 61B.

Lower surface: 58B.

Reproductive organs.—Stamens: Stamen number:

About seven or eight. Anther shape: Slightly oblong.

Filament color: Green. Pollen color: Yellow. Pistils:

Pistil number: About three or four. Style color:

Green. Stigma shape: Round. Ovaries: Superior and

four-celled. Ovary size: About 7 mm by 2 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 'KJ 2002 0521', as illustrated and described.

* * * * *

