



US00PP27913P2

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

(10) **Patent No.:** **US PP27,913 P2**

(45) **Date of Patent:** **Apr. 18, 2017**

- (54) **KALANCHOE PLANT NAMED ‘FIKALRUDAK’**
- (50) Latin Name: *Kalanchoe blossfeldiana*  
Varietal Denomination: **Fikalrudak**
- (71) Applicant: **FIDES B.V.**, De Lier (NL)
- (72) Inventor: **Ike J. Vlielander**, De Lier (NL)
- (73) Assignee: **Fides B.V.**, De Lier (NL)
- (\* ) 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.: **14/998,423**
- (22) Filed: **Dec. 31, 2015**
- (51) **Int. Cl.**  
**A01H 5/02** (2006.01)

- (52) **U.S. Cl.**  
USPC ..... **Plt./339**
- (58) **Field of Classification Search**  
USPC ..... Plt./339  
CPC ..... A01H 5/0266  
See application file for complete search history.

*Primary Examiner* — Kent L Bell  
(74) *Attorney, Agent, or Firm* — C. A. Whealy

(57) **ABSTRACT**  
A new and distinct cultivar of *Kalanchoe* plant named ‘Fikalrudak’, characterized by its compact, upright and uniformly mounded plant habit; moderately vigorous growth habit; freely branching plant habit; glossy dark green-colored leaves; uniform, early and freely flowering habit; bright pink-colored flowers; and excellent postproduction longevity.

**1 Drawing Sheet**

**1**

Botanical designation: *Kalanchoe blossfeldiana*.  
Cultivar denomination: ‘FIKALRUDAK’.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct *Kalanchoe* plant, botanically known as *Kalanchoe blossfeldiana* and hereinafter referred to by the name ‘Fikalrudak’.

The new *Kalanchoe* is a product of a planned breeding program conducted by the Inventor in De Lier, The Netherlands. The objective of the breeding program is to create new freely-branching and freely-flowering *Kalanchoe* plants with attractive leaf and flower coloration.

The new *Kalanchoe* plant originated from a cross-pollination made by the Inventor in De Lier, The Netherlands in 2011 of *Kalanchoe blossfeldiana* ‘Kerinci’, disclosed in U.S. Plant Pat. No. 10,031, as the female, or seed, parent with *Kalanchoe blossfeldiana* ‘Aniak’, disclosed in U.S. Plant Pat. No. 18,742, as the male, or pollen, parent. The new *Kalanchoe* plant was discovered and selected by the Inventor as a single flowering plant from within the progeny of the stated cross-pollination in a controlled environment in De Lier, The Netherlands in December, 2012.

Asexual reproduction of the new *Kalanchoe* plant by vegetative terminal cuttings in a controlled environment in De Lier, The Netherlands since 2013 has shown that the unique features of this new *Kalanchoe* plant are stable and reproduced true to type in successive generations.

**SUMMARY OF THE INVENTION**

Plants of the new *Kalanchoe* have not been observed under all possible combinations of environmental conditions and cultural practices. The phenotype may vary somewhat with variations in environmental conditions 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 ‘Fikal-

**2**

rudak’. These characteristics in combination distinguish ‘Fikalrudak’ as a new and distinct *Kalanchoe* plant:

1. Compact, upright and uniformly mounded plant habit.
2. Moderately vigorous growth habit.
3. Freely branching plant habit.
4. Glossy dark green-colored leaves.
5. Uniform, early and freely flowering habit.
6. Bright pink-colored flowers.
7. Excellent postproduction longevity.

Plants of the new *Kalanchoe* can be compared to plants of the female parent, ‘Kerinci’. Plants of the new *Kalanchoe* differ from plants. of ‘Kerinci’ in the following characteristics:

1. Plants of the new *Kalanchoe* are more compact than plants of ‘Kerinci’.
2. Plants of the new *Kalanchoe* flower about three to four days later than plants of ‘Kerinci’.
3. Plants of the new *Kalanchoe* have larger flowers than plants of ‘Kerinci’.
4. Plants of the new *Kalanchoe* and ‘Kerinci’ differ in flower color as plants of ‘Kerinci’ have dull pink-colored flowers.

Plants of the new *Kalanchoe* can be compared to plants of the male parent, ‘Aniak’. Plants of the new *Kalanchoe* differ from plants of ‘Aniak’ in the following characteristics:

1. Plants of the new *Kalanchoe* are more vigorous than plants of ‘Aniak’.
2. Plants of the new *Kalanchoe* have slightly smaller flowers than plants of ‘Aniak’.
3. Plants of the new *Kalanchoe* and ‘Aniak’ differ in flower color as plants of ‘Aniak’ have darker pink-colored flowers.

Plants of the new *Kalanchoe* can be compared to plants of the *Kalanchoe blossfeldiana* ‘Oriba’, disclosed in U.S. Plant Pat. No. 13,337. In side-by-side comparisons conducted in De Lier, The Netherlands, plants of the new *Kalanchoe* differed from plants of ‘Oriba’ in the following characteristics:

1. Plants of the new *Kalanchoe* were more compact than plants of 'Oriba'.
2. Plants of the new *Kalanchoe* flowered about three to four days later than plants of 'Oriba'.
3. Plants of the new *Kalanchoe* had larger flowers than plants of 'Oriba'.

## BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the overall appearance of the new *Kalanchoe* plant 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 the new *Kalanchoe* plant.

The photograph is a side perspective view of a typical flowering plant of 'Fikalrudak' grown in a container.

## DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations, measurements and values describe plants grown during the summer and autumn in 10-cm containers in a glass-covered greenhouse in De Lier, The Netherlands and under cultural practices typical of commercial *Kalanchoe* production. During the production of the plants, day temperatures ranged from 20° C. to 25° C., night temperatures ranged from 20° C. to 21° C. and light levels ranged from 10,000 lux to 55,000 lux. Plants received long day/short night conditions (more than 14 hours of light) for about four weeks then plants received photoinductive short day/long night conditions (minimum 14 hours darkness) until flowering. Plants were twelve weeks old when the photograph was taken and eleven weeks old when the description was taken. In the detailed description, color references are made to The Royal Horticultural Society Colour Chart, 2007 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Kalanchoe blossfeldiana* 'Fikalrudak'.

Parentage:

*Female, or seed, parent.*—*Kalanchoe blossfeldiana* 'Kerinci', disclosed in U.S. Plant Pat. No. 10,031.

*Male or pollen parent.*—*Kalanchoe blossfeldiana* 'Aniak', disclosed in U.S. Plant Pat. No. 18,742.

Propagation:

*Type.*—By vegetative terminal cuttings.

*Time to initiate roots, summer.*—About eleven days at temperatures about 21° C.

*Time to initiate roots, winter.*—About 15 days at temperatures about 21° C.

*Time to produce a rooted young plant, summer.*—About 23 days at temperatures about 21° C.

*Time to produce a rooted young plant, winter.*—About 29 days at temperatures about 21° C.

*Root description.*—Fine, fibrous; typically greyish white in color, actual color of the roots is dependent on substrate composition, water quality, fertilizer type and formulation, substrate temperature and physiological age of roots.

*Rooting habit.*—Moderately freely branching; dense.

Plant description:

*Plant and growth habit.*—Compact, upright and uniformly mounded plant habit; freely flowering habit with numerous cymes positioned above the foliar

plane; triangular in shape with rounded crown; appropriate for 5 to 12.5-cm containers; moderately vigorous growth habit.

*Plant height at flowering.*—About 15 cm.

*Plant diameter at flowering.*—About 14 cm.

*Branching habit.*—Freely branching habit with about six to eight lateral branches developing per plant; pinching (removal of the terminal apex) is not required but will enhance lateral branch development.

Lateral branch description:

*Length.*—About 10 cm to 13 cm.

*Diameter.*—About 3 mm to 6 mm.

*Internode length.*—About 1 cm to 2 cm.

*Aspect.*—Mostly upright.

*Strength.*—Moderately strong.

*Texture.*—Smooth, glabrous.

*Color.*—Close to 147A.

Leaf description:

*Arrangement.*—Opposite, simple; generally symmetrical.

*Quantity per plant.*—Typically about seven to ten mature leaves and about 13 to 20 generative leaves.

*Length.*—About 11 cm.

*Width.*—About 9 cm.

*Shape.*—Elliptic.

*Apex.*—Acute to obtuse.

*Base.*—Acute.

*Margin.*—Crenate to serrate.

*Texture and luster, upper and lower surfaces.*—Smooth, glabrous; coriaceous; succulent; glossy.

*Venation pattern.*—Pinnate.

*Color.*—Developing and fully developed leaves, upper surface: Close to 147A; venation, close to 147A to 147B. Developing and fully developed leaves, lower surface: Close to 147B; venation, close to 147B.

*Petioles.*—Length: About 1.8 cm. Diameter: About 4 mm to 8 mm. Texture, upper and lower surfaces: Smooth, glabrous; coriaceous; succulent. Color, upper surface: Close to 146A and 147B. Color, lower surface: Close to 146C.

Flower description:

*Flower arrangement and habit.*—Single flowers arranged singly in axillary cymes; uniform and freely flowering habit with usually more than 25 open flowers and more than 25 flower buds per lateral branch and more than 150 open flowers and flower buds developing per plant; plants flower continuously for at least seven weeks.

*Fragrance.*—None detected.

*Natural flowering season.*—Plants of the new *Kalanchoe* initiate and develop flowers under short day/long night conditions or during November and December in the Northern Hemisphere; flower initiation and development can also be induced under artificial short day/long night conditions (at least 14 hours of darkness).

*Time to flower.*—Early flowering habit, under short day/long night photoinductive conditions, plants begin flowering about nine to eleven weeks; actual time to flower is primarily dependent upon temperature and light intensity.

*Post-production longevity.*—Excellent post-production longevity; plants maintain good foliage and flower

substance for about 58 days under interior conditions; individual flowers last about 24 days on the plant; flowers persistent.

*Flower diameter.*—About 1.8 cm.

*Flower length (height).*—About 1.3 cm to 1.4 cm. 5

*Flower buds.*—Length: About 1.4 cm. Diameter: About 2.5 mm to 3 mm. Shape: Initially oblong, becoming tubular ovoid with development. Color, before flower opening: Close to 62B to 62D.

*Petals.*—Arrangement: Four in a single whorl. Length: About 9 mm. Width: About 7 mm. Aspect: Flat to somewhat upright. Shape: Round. Apex: Acute. Base: Obtuse. Margin: Entire. Texture and luster, upper and lower surfaces: Smooth, glabrous; shiny. Color: When opening, upper surface: Close to N61C. 15 When opening, lower surface: Close to 58D and 62D. Fully opened, upper surface: Close to N57C; color becoming closer to N57C to N57D with development. Fully opened, lower surface: Close to 58D and 62D. 20

*Sepals.*—Appearance: Four in a single whorl. Length: About 8 mm. Width: About 2 mm. Shape: Oblong, pointed. Apex: Acute. Base: Obtuse. Margin: Entire. Aspect: Upright, rigid. Texture and luster, upper and lower surfaces: Smooth; glabrous; shiny. Color, 25 upper and lower surfaces: Close to 138D.

*Peduncles.*—Length: About 2 mm. Diameter: About 1 mm. Aspect: Erect, rigid. Strength: Moderately strong. Texture: Smooth, glabrous. Color: Close to 138B.

*Reproductive organs.*—Androecium: Stamen number: About eight per flower. Anther shape: Elliptic, flat. Anther length: About 0.3 mm. Anther color: Close to 150D. Amount of pollen: Scarce. Pollen color: Close to 12A. Gynoecium: Pistil number: About four. Pistil length: About 1 cm. Style length: About 7 mm. Style color: Close to 138D. Stigma shape: Flat. Stigma color: Close to 8D. Ovary color: Close to 138D.

*Seeds.*—Length: About 0.1 mm. Diameter: About 0.05 mm. Color: Close to 166C.

Temperature tolerance: Plants of the new *Kalanchoe* have been observed to tolerate temperatures from about 16° C. to about 35° C.

Pathogen & pest resistance: Plants of the new *Kalanchoe* have not been observed to be resistant to pests and pathogens common to *Kalanchoe* plants.

It is claimed:

1. A new and distinct *Kalanchoe* plant named 'Fikal-rudak' as illustrated and described.

\* \* \* \* \*

