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

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(54) ***OXALIS* PLANT NAMED ‘JROXFROJA’**

(50) Latin Name: ***Oxalis regnellii***
Varietal Denomination: **Jroxfroja**

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patent is extended or adjusted under 35
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(51) **Int. Cl.**
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(58) **Field of Classification Search** **Plt./263**
See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of *Oxalis* plant named
‘Jroxfroja’, characterized by its upright, outwardly spread-
ing and uniformly mounded plant habit; numerous basal
leaves; dense and bushy plant form; freely flowering habit;
dark green-colored foliage; and white-colored flowers.

1 Drawing Sheet

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Botanical designation: *Oxalis regnellii*.
Cultivar denomination: ‘Jroxfroja’.

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct culti-
var of *Oxalis* plant, botanically known as *Oxalis regnellii*,
and hereinafter referred to by the cultivar name ‘Jroxfroja’.

The new *Oxalis* is a product of a planned breeding
program conducted by the Inventor in Szombathely, Hun-
gary. The objective of the program is to create new *Oxalis*
cultivars with attractive foliage and flower colors.

The new *Oxalis* originated from a cross-pollination made
by the Inventor in 1993 of two unnamed selections of *Oxalis*
regnellii, not patented. The new *Oxalis* was discovered and
selected from the resultant progeny of the stated cross-
pollination by the Inventor in a controlled environment in
Szombathely, Hungary in 2001.

Asexual reproduction of the new cultivar by terminal
cuttings in a controlled environment in Szombathely, Hun-
gary since the summer of 2002, has shown that the unique
features of this new *Oxalis* are stable and reproduced true to
type in successive generations.

SUMMARY OF THE INVENTION

Plants of the cultivar Jroxfroja have not been observed
under all possible environmental conditions. The phenotype
may vary somewhat with variations in environment such as
temperature, light intensity and daylength without, however,
any variance in genotype.

The following traits have been repeatedly observed and
are determined to be the unique characteristics of ‘Jrox-
froja’. These characteristics in combination distinguish
‘Jroxfroja’ as a new and distinct cultivar of *Oxalis*:

1. Upright, outwardly spreading and uniformly mounded
plant habit.
2. Numerous basal leaves; dense and bushy plant form.
3. Freely flowering habit.
4. Dark green-colored foliage.
5. White-colored flowers.

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Plants of the new *Oxalis* differ primarily from plants of
the parent selections in the following characteristics:

1. Plants of the new *Oxalis* have brighter green-colored
foliage than plants of the parent selections.
2. Plants of the new *Oxalis* are more freely flowering than
plants of the parent selections.

Plants of the new *Oxalis* can be compared to plants of the
cultivar Deep Purple, not patented. In side-by-side compari-
sons conducted in Southern California, plants of the new
Oxalis differed from plants of the cultivar Deep Purple
primarily in leaf color as plants of the cultivar Deep Purple
had red purple-colored leaves.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the
overall appearance of the new cultivar, showing the colors as
true as it is reasonably possible to obtain in colored repro-
ductions 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
Oxalis.

The photograph at the top of the sheet is a close-up view
of typical flowers and leaves of ‘Jroxfroja’.

The photograph at the bottom of the sheet comprises a
side perspective view of a typical plant of ‘Jroxfroja’ grown
in a container.

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 signifi-
cance are used. Plants grown in one gallon were used for the
aforementioned photographs and following description. Plants
were about 14 weeks from planting rooted cuttings. Plants
were grown under conditions which closely approxi-
mate commercial production conditions during the spring in
Bonsall, Calif. in a polyethylene-covered greenhouse. Dur-
ing the production period, day temperatures ranged from 13°
C. to 35° C. and night temperatures ranged from 13° C. to
21° C.

Botanical classification: *Oxalis regnellii* cultivar Jroxfroja.

Parentage:

Female, or seed, parent.—Unnamed selection of *Oxalis regnellii*, not patented.

Male, or pollen, parent.—Unnamed selection of *Oxalis regnellii*, not patented.

Propagation:

Type cutting.—By divisions.

Time to produce a rooted young plant.—About 20 days at 20° C.

Root description.—Fine, freely-branching; whitish in color.

Rhizome description.—Length: About 2 cm. Diameter: About 1.5 cm. Scale length: About 7 mm. Scale width: About 9 mm. Texture: Smooth, glabrous; scaly. Color: Close to 155A overlain with 29A.

Plant description:

Form.—Herbaceous perennial flowering plant; upright, outwardly spreading and uniformly mounded plant habit.

Plant height.—About 28 cm.

Plant diameter.—About 43 cm.

Growth rate.—Moderate to rapid growth rate; vigorous.

Foliage description.—Arrangement: Arising from rhizomes, basal; clover like, palmate three-foliate; about twelve leaves per rhizome. Leaf length: About 5.4 cm. Leaf width: About 5.4 cm. Leaflet length: About 3.1 cm. Leaflet width: About 5.4 cm. Leaflet shape: Broadly obtriangular. Leaflet apex: Emarginate. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Venation pattern: Pinnate; reticulate. Color: Developing foliage, upper and lower surfaces: 144A. Fully expanded foliage, upper surface: More gray than 137B. Fully expanded foliage, lower surface: 147B. Venation, upper and lower surfaces: 147B. Petiole: Length: About 21.8 cm. Diameter: About 2 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 145B.

Flower description:

Flower type and habit.—Rotate single flowers single, scapose and arranged in umbels. Flowers facing upright or outwardly and positioned just above the foliage. Flowers not persistent. Freely flowering habit, about eight to nine flowers per umbel. Flowers not fragrant.

Natural flowering season.—Year-round in Southern California; flowering continuous during this period.

Time to flower.—Early flowering; plants begin flowering about four weeks after planting.

Flower longevity on the plant.—About five days.

Inflorescence length.—About 6 cm.

Inflorescence diameter.—About 4 cm.

Flower diameter.—About 2.7 cm.

Flower depth.—About 1.6 cm.

Flower buds.—Length: About 1 cm. Diameter: About 3 mm. Shape: Elongated oblong. Color: 157B.

Corolla.—Arrangement/appearance: Single whorl of five petals, fused into flared trumpet. Petal length from throat: About 2.8 cm. Petal width: About 8 mm. Petal shape: Obovate. Petal apex: Rounded. Petal margin: Entire. Petal texture, upper and lower surfaces: Smooth, glabrous; satiny. Color: Petal, when opening, upper surface: 155B. Petal, when opening, lower surface: 155A. Petal, opened flower, upper surface: 155D; towards the base, 144C. Petal, opened flower, lower surface: 155A.

Sepals.—Arrangement/appearance: Single whorl of five sepals, fused at base into a slender tube. Length: About 6 mm. Width: About 1.5 mm. Shape: Lanceolate. Apex: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 144B.

Peduncles.—Length: About 26.2 cm. Width: About 2 mm. Strength: Moderately strong. Angle: Mostly erect. Texture: Smooth, glabrous. Color: 144B.

Pedicels.—Length: About 3 cm to 4 cm. Width: About 1 mm. Strength: Moderately strong. Angle: About 30° to 45° from vertical. Texture: Smooth, glabrous. Color: 144A.

Reproductive organs.—Stamens: Quantity: About ten in two whorls. Anther shape: Oval. Anther length: Less than 1 mm. Anther color: 12C. Pollen amount: Scarce. Pollen color: 12A. Pistils: Quantity: One per flower. Pistil length: About 6 mm. Stigma shape: Round. Stigma color: 146B. Style length: About 4 mm. Style color: 146C. Ovary color: 144C.

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

Disease/pest resistance: Plants of the new *Oxalis* have not been noted to be resistant to other pathogens and pests common to *Oxalis*.

Weather/temperature tolerance: Plants of the new *Oxalis* are tolerant to rain and wind and have been observed to tolerate temperatures from −2° C. to 40° C.

It is claimed:

1. A new and distinct cultivar of *Oxalis* plant named ‘Jroxfroja’, as illustrated and described.

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