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(12) **United States Plant Patent**
van den Bosch

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(54) **HYPERICUM PLANT NAMED ‘BOSAENV’**

(50) Latin Name: *Hypericum androsaemum*
Varietal Denomination: **Bosaenv**

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patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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(58) **Field of Search** **Plt./226**

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(57) **ABSTRACT**

A new and distinct cultivar of Hypericum plant named
‘Bosaenv’, characterized by its upright and outwardly
spreading plant habit; dark green-colored leaves; shiny
red-colored fruits; and good postproduction longevity.

4 Drawing Sheets

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Botanical classification/cultivar designation: *Hypericum*
androsaemum cultivar Bosaenv.

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct culti-
var of Hypericum plant, botanically known as *Hypericum*
androsaemum, commercially used as cut stems with fruits,
and hereinafter referred to by the name ‘Bosaenv’.

The new Hypericum is a product of a planned breeding
program conducted by the Inventor in Rijnsburg, The Neth-
erlands. The objective of the breeding program was to
develop cut Hypericum varieties with attractive fruit col-
oration.

The new cultivar originated from a cross-pollination made
by the Inventor in July, 1993 of a proprietary selection of
Hypericum androsaemum identified as code number 123,
not patented, as the female, or seed, parent with a proprietary
selection of *Hypericum androsaemum* identified as code
number 71, not patented, as the male, or pollen, parent. The
cultivar Bosaenv was discovered and selected by the Inven-
tor in July, 1995 as a flowering plant within the progeny of
the stated cross-pollination in a controlled environment in
Rijnsburg, The Netherlands.

Asexual reproduction of the new Hypericum by terminal
cuttings taken at Rijnsburg, The Netherlands since March,
1996, has shown that the unique features of this new
Hypericum are stable and reproduced true to type in suc-
cessive generations of asexual reproduction.

SUMMARY OF THE INVENTION

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

1. Upright and outwardly spreading plant habit.
2. Dark green-colored leaves.
3. Shiny red-colored fruits.
4. Good postproduction longevity.

Plants of the new Hypericum differ from plants of the
parent selections primarily in fruit coloration.

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Plants of the new Hypericum can be compared to plants
of the Hypericum cultivar Bosapin, disclosed in U.S. Plant
Pat. No. 10,993. In side-by-side comparisons conducted in
Rijnsburg, The Netherlands, plants of the new Hypericum
differed from plants of the cultivar Bosapin in the following
characteristics:

1. Plant of the new Hypericum were taller than plants of
the cultivar Bosapin.
2. Plants of the new Hypericum had smaller leaves than
plants of the cultivar Bosapin.
3. Fruits of plants of the new Hypericum were smaller and
darker red in color than fruits of plants of the cultivar
Bosapin.

Plants of the new Hypericum can also be compared to
plants of the Hypericum cultivar Bosakin, disclosed in U.S.
Plant Pat. No. 10,994. In side-by-side comparisons con-
ducted in Rijnsburg, The Netherlands, plants of the new
Hypericum differed from plants of the cultivar Bosakin in
the following characteristics:

1. Plants of the new Hypericum had smaller leaves than
plants of the cultivar Bosakin.
2. Fruits of plants of the new Hypericum were smaller and
lighter in color than fruits of plants of the cultivar
Bosakin.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the
overall appearance of the new Hypericum, 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 Hypericum.

The photograph on the first sheet comprises a side per-
spective view of typical plants of ‘Bosaenv’ in fruit.

The photograph on the second sheet is a close-up view of
typical leaves, flowers and fruits of ‘Bosaenv’.

The photographs on the third and fourth sheets are close-
up views of typical leaves and fruits of ‘Bosaenv’.

DETAILED BOTANICAL DESCRIPTION

The new *Hypericum* 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 aforementioned photographs, following observations and measurements describe plants grown in Rijnsburg, The Netherlands, in an outdoor nursery and under commercial production practices. Plants were about two years old. The photographs and description were taken in September when outdoor day temperatures ranged from 14 to 27° C. and day temperatures ranged from 5 to 14° C. In the following description, color references are made to The Royal Horticultural Society Colour Chart, 2001 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Hypericum androsaemum* cultivar Bosaenv.

Parentage:

Female parent.—Proprietary selection of *Hypericum androsaemum* identified as code number 123, not patented.

Male parent.—Proprietary selection of *Hypericum androsaemum* identified as code number 71, not patented.

Propagation:

Type.—Terminal cuttings.

Time to initiate roots.—Summer: About 14 days at 20° C. Winter: About 21 days at 15° C.

Time to produce a rooted cutting.—Summer: About two months at 20° C. Winter: About three months at 15° C.

Root description.—Fine; white in color.

Rooting habit.—Freely branching, dense.

Plant description:

Plant form.—Upright and outwardly spreading perennial woody shrub; globular to broadly globular in shape.

Growth habit.—Moderately vigorous. Freely basal branching; dense and bushy growth habit.

Plant height.—About 70 cm.

Plant width (spread).—About 70 cm.

Quantity of stems per year.—About eight.

Lateral branches.—Length: About 13 cm. Diameter: About 2 mm. Internode length: About 2.7 cm. Strength: Moderate. Texture: Smooth; glabrous. Color: 144C overlain with 183A.

Foliage description.—Leaves opposite; single; sessile and generally symmetrical. Length: About 6.1 cm. Width: About 3.3 cm. Shape: Ovate. Apex: Acute to obtuse. Base: Obtuse to somewhat cordate. Margin: Entire. Texture: Glabrous; slightly rugose. Venation pattern: Pinnate. Color: Developing leaves, upper surface: 137A. Developing leaves, lower surface: 138A. Fully expanded leaves, upper surface: Close to, but darker than 136A. Fully expanded leaves, lower surface: 137C. Venation, upper and lower surfaces: 144C.

Flower description:

Flower type and habit.—Bright yellow single flowers arranged in terminal compound umbels with about 14 flowers per lateral branch. Flowers not fragrant. Flowers not persistent. Flowers upright.

Natural flowering season.—Summer, typically July through early September in Rijnsburg, The Netherlands; flowering period typically lasts about 60 days.

Postproduction longevity.—Cut stems are typically harvested when all flowers have developed fruits. Postproduction longevity of cut stems with fruits is about two weeks.

Inflorescence height.—About 5.5 cm.

Inflorescence diameter.—About 7 cm.

Flower buds.—Height: About 8 mm. Diameter: About 7 mm. Shape: Broadly elliptic. Color: Base, 154B to 154C; mid-section, 1A; apex, 23A to 23B.

Flowers.—Diameter: About 3.5 cm. Depth: About 1.7 cm.

Petals.—Quantity per flower: Five. Length: About 1.4 cm. Width: About 9 mm. Shape: Broadly elliptic. Aspect: Concave. Apex: Retuse. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth. Color: Developing and fully expanded petals, upper surface: 13A; color does not fade with subsequent development. Developing and fully expanded petals, lower surface: 13A to 13B overlain with 17A.

Sepals.—Quantity per flower: Five. Length: About 9 mm. Width: About 5 mm. Shape: Elliptic. Apex: Obtuse to abruptly acute. Base: Broadly cuneate. Margin: Entire. Aspect: Slightly reflexed. Texture, upper and lower surfaces: Smooth. Color: Developing sepals, upper and lower surfaces: 143B. Fully expanded sepals, upper and lower surface: 143B.

Peduncles.—Length: About 1.4 cm. Diameter: About 1 mm. Orientation: Erect to about 45° from vertical. Strength: Moderately strong. Color: 183A.

Pedicels.—Length: About 1.1 cm. Diameter: About 1 mm. Orientation: Erect to about 45° from vertical. Strength: Moderately strong. Color: 143B; overlain with 178B.

Reproductive organs.—Stamens: Quantity per flower: About 85. Anther shape: Broadly ovate. Anther length: About 1 mm. Anther color: 17A to 17B. Pollen amount: Moderate. Pollen color: 13A. Pistils: Quantity per flower: Three. Pistil length: About 6 mm. Stigma shape: Globular. Stigma color: Close to 45A. Style length: About 6 mm. Style color: 1B. Ovary color: 154B to 1B.

Fruits.—Quantity per flower: One. Days to ripening: About 25. Longevity on the plant: About 30 days. Type: Capsule. Shape: Ellipsoidal. Length: About 1.2 cm. Diameter: About 1.1 cm. Texture: Smooth, glabrous. Color: 45B to 46B; shiny.

Seeds.—Quantity per fruit: More than 100. Length: About 0.8 mm. Diameter: About 0.5 mm. Texture: Smooth, glabrous. Color: N199C.

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

Temperature tolerance: Plants of the new *Hypericum* have been observed to tolerate temperatures ranging from -15 to 35° C.

It is claimed:

1. A new and distinct cultivar of *Hypericum* plant named 'Bosaenv', as illustrated and described.

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