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Meulenbroek

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(54) **STRAWBERRY PLANT NAMED ‘JIVE’**

(50) Latin Name: *Fragaria×ananassa*
Varietal Denomination: **Jive**

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patent is extended or adjusted under 35
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(52) **U.S. Cl.**
USPC **Plt./208**

(58) **Field of Classification Search**

USPC Plt./208, 209

CPC A01H 5/0893; A01H 5/08

See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

http://www.fragariaholland.nl/publicaties/the_fruit_grower-jive.pdf; Nov. 2013; 2 pages.*

* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of Strawberry plant named ‘Jive’, characterized by its compact and semi-upright plant habit; moderately vigorous to vigorous growth habit; uniform fruit ripening; large conical fruits that are glossy and red in color; pleasant fruit aroma and taste; excellent fruit postharvest longevity; and resistance to Mildew pathogens.

3 Drawing Sheets

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Botanical designation: *Fragaria×ananassa*.
Cultivar denomination: ‘JIVE’.

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct cultivar of Strawberry plant, botanically known as *Fragaria×ananassa* and hereinafter referred to by the name ‘Jive’.

The new Strawberry plant is a product of a planned breeding program conducted by the Inventor in Elst, Gelderland, The Netherlands. The objective of the breeding program was to develop new early-ripening Strawberry plants with good fruit quality, ease of harvesting, good postharvest longevity and resistance to pathogens.

The new Strawberry plant originated from a cross-pollination made by the Inventor during the spring of 2004 of a proprietary Strawberry selection identified as code name E1998-142, not patented, as the female, or seed, parent with a proprietary Strawberry selection identified as code name E1997-054, not patented, as the male, or pollen, parent. The new Strawberry plant was discovered and selected by the Inventor as a single plant from within the progeny of the stated cross-pollination in a controlled environment in Elst, Gelderland, The Netherlands during the summer of 2006.

Asexual reproduction of the new Strawberry plant by cuttings in a controlled environment at Elst, Gelderland, The Netherlands since the autumn of 2006, has shown that the unique features of this new Strawberry plant are stable and reproduced true to type in successive generations of asexual reproduction.

SUMMARY OF THE INVENTION

Plants of the new Strawberry have not been observed under all possible combinations of environmental conditions and

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cultural practices. The phenotype may vary somewhat with variations in environmental conditions such as temperature and light intensity, without, however, any variance in genotype.

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

1. Compact and semi-upright plant habit.
- 10 2. Moderately vigorous to vigorous growth habit.
3. Uniform fruit ripening.
4. Large conical fruits that are glossy and red in color.
5. Pleasant fruit aroma and taste.
6. Excellent fruit postharvest longevity.
- 15 7. Resistant to Mildew pathogens.

Plants of the new Strawberry differ from plants of the female parent selection in the following characteristics:

1. Plants of the new Strawberry have darker green-colored leaves than plants of female parent selection.
- 20 2. Fruits of plants of the new Strawberry are glossier than fruits of plants of the female parent selection.
3. Plants of the new Strawberry and the female parent selection differ in fruit color as plants of the female parent selection have dark red-colored fruits.

25 Plants of the new Strawberry differ from plants of the male parent selection in the following characteristics:

1. Plants of the new Strawberry have darker green-colored leaves than plants of the male parent selection.
- 30 2. Fruits of plants of the new Strawberry are conical in shape whereas fruits of plants of the male parent selection are flattened.
3. Plants of the new Strawberry and the male parent selection differ in fruit color as plants of the male parent selection have orange-colored fruits.

Plants of the new Strawberry can be compared to plants of Strawberry 'Sonata', disclosed in U.S. Plant Pat. No. 18,000. In side-by-side comparisons, plants of the new Strawberry differed from plants of 'Sonata' in the following characteristics:

1. Plants of the new Strawberry were more upright than plants of 'Sonata'.
2. Plants of the new Strawberry were larger and more vigorous than plants of 'Sonata'.
3. Plants of the new Strawberry had larger leaves than plants of 'Sonata'.
4. Plants of the new Strawberry flowered later than plants of 'Sonata'.
5. Plants of the new Strawberry produced larger fruits than plants of 'Sonata'.
6. Plants of the new Strawberry and 'Sonata' differed in fruit color as plants of 'Sonata' produced orange-colored fruits.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new Strawberry plant 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 Strawberry plant.

The photograph on the first sheet is a side perspective view of typical fruiting plants of 'Jive' grown in a hydroponic system.

The photograph on the second sheet is a close-up view of typical developing and fully opened flowers of 'Jive'.

The photograph on the third sheet is a close-up view of typical developing and developed fruits of 'Jive'.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs, following observations and measurements describe plants grown during the spring and summer in a glass-covered greenhouse in Eck en Wiel, The Netherlands and under cultural practices typical of commercial Strawberry production. During the production of the plants, day temperatures ranged from 12° C. to 23° C. and night temperatures ranged from 8° C. to 12° C. Plants were 2.5 months old when the photographs and description were taken. 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: *Fragaria x ananassa* 'Jive'.

Parentage:

Female, or seed, parent.—Proprietary seedling selection of *Fragaria x ananassa* identified as code name E1998-142, not patented.

Male, or pollen, parent.—Proprietary seedling selection of *Fragaria x ananassa* identified as code name E1997-054, not patented.

Propagation:

Type.—By cuttings.

Time to produce a rooted young plant, summer.—About two weeks at soil temperatures ranging from 18° to 20° C.

Root description.—Medium in thickness to thick, fibrous; creamy white to white in color.

Rooting habit.—Freely branching; dense.

Plant description:

Plant and growth habit.—Perennial; compact and semi-upright plant habit; leaves basal; moderately vigorous to vigorous growth habit.

Plant height.—About 25 to 30 cm.

Plant diameter.—About 35 to 40 cm.

Leaf description:

Arrangement.—Basal rosette; compound with typically three leaflets per leaf.

Leaflet length.—About 9 to 12 cm.

Leaflet width.—About 8 to 11 cm.

Leaflet shape.—Broadly ovate.

Leaflet apex.—Obtuse to acute.

Leaflet base.—Obtuse to rounded.

Leaflet margin.—Serrated to lobed.

Leaflet texture, upper surface.—Pubescent.

Leaflet texture, lower surface.—Pubescent, rough.

Leaflet venation.—Pinnate.

Leaflet color.—Developing leaflets, upper surface:

Close to 137A. Developing leaflets, lower surface:

Close to 138A. Fully expanded leaflets, upper surface:

Close to between 137A and 139A; venation,

close to 144C. Fully expanded leaflets, lower surface:

Close to 138A; venation, close to 144C.

Petioles.—Length: About 9 to 15 cm. Diameter: About 2.5 to 5 mm. Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: Close to 145A.

Flower description:

Flower form and flowering habit.—Rotate flowers arranged singly at lateral apices; flowers held at the foliar plane.

Fragrance.—None detected.

Natural flowering season.—Plants flower in April and May in The Netherlands.

Flower diameter.—About 2.5 to 3.5 cm.

Flower depth (height).—About 5 mm.

Petals.—Arrangement: Single whorl of six petals; petals imbricate. Length: About 8 mm to 12 mm. Width: About 8 mm to 12 mm. Shape: Round to broadly ovate. Apex: Rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous; satiny. Color: When opening and fully opened, upper surface: Close to 155D. When opening and fully opened, lower surface: Close to 155D.

Sepals.—Arrangement and calyx description: Single whorl of eight to twelve sepals; calyx, star-shaped; sepals are orientated horizontal to upwards from the fruit. Length: About 5 mm to 8 mm. Width: About 3 mm to 5 mm. Shape: Lanceolate to ovate. Apex: Acute. Base: Fused. Margin: Entire. Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: Close to 137A.

Peduncles.—Length: About 7 cm to 10 cm. Diameter: About 1 mm to 2 mm. Strength: Strong. Texture: Pubescent. Color: Close to 144B.

Pedicels.—Length: About 2 cm to 5 cm. Diameter: About 1 mm to 2 mm. Strength: Strong. Texture: Pubescent. Color: Close to 144B.

Reproductive organs.—Stamens: Quantity per flower: About 25. Anther length: About 2 mm. Anther shape: Lanceolate to elliptic. Anther color: Close to 14B. Pollen amount: Abundant. Pollen color: Close to 15C. Pistils: Quantity per flower: About 30. Pistil length: About 1 mm to 2 mm. Stigma shape: Rounded.

Stigma color: Close to 5A. Fruits: Postharvest longevity: Long, about ten days at temperatures about 7° C. Length: About 4 cm to 6 cm. Diameter: About 3 cm to 6 cm. Shape: Conical. Typical fruit weight per fruit: About 19.3 grams. Observed fruit weight per fruit: 5 About 26.6 grams. Typical fruit weight per plant: About 1,280 grams. Observed fruit weight per plant: About 1,463 grams. Firmness: Firm. Fragrance, taste: Pleasant; good balance between sweetness and acidity. Luster: Glossy. Surface unevenness: Absent or 10 very weak. Color, surface: Close to 43A. Color, flesh: Close to 33B. Achene position: Level with fruit surface; under stress conditions, achenes are extruded.

Achene color: At early fruiting stage, close to 1B; with maturity, color is closer to 178B.
Disease and pest resistance: Plants of the new Strawberry have been observed to be resistant to Mildew pathogens and to be moderately resistant to *Phytophthora cactorum*. Plants of the new Strawberry have not been observed to be resistant to pests and other pathogens common to Strawberry plants.
It is claimed:
1. A new and distinct Strawberry plant named ‘Jive’ as illustrated and described.

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