



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

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(54) **HEUCHERA PLANT NAMED ‘IFHEORR’**

(50) Latin Name: ***Heuchera* hybrid**
Varietal Denomination: **IFHEORR**

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(57) **ABSTRACT**
A new and distinct cultivar of *Heuchera* plant named
‘IFHEORR’, characterized by its compact and uniformly
mounded plant habit; densely foliated and bushy appear-
ance; greyed orange and yellow green-colored leaves; long
flowering period; numerous inflorescences with red purple-
colored flowers; and good garden performance.

2 Drawing Sheets

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Botanical designation: *Heuchera* hybrid.
Cultivar denomination: ‘IFHEORR’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct *Heuchera* plant, botanically known as *Heuchera* hybrid and hereinafter referred to by the name ‘IFHEORR’.

The objective of the breeding program is to create new compact *Heuchera* plants with attractive leaf coloration and good garden performance.

The new *Heuchera* plant originated from a cross-pollination in May, 2011 in Andijk, The Netherlands of a proprietary selection of *Heuchera* hybrid identified as code number 083-11-K023-02, not patented, as the female, or seed, parent with a proprietary selection of *Heuchera* hybrid identified as code number 083-10-C023-01, not patented, as the male, or pollen, parent. The new *Heuchera* 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 greenhouse environment in Andijk, The Netherlands in June, 2012.

Asexual reproduction of the new *Heuchera* plant by in vitro meristem culture in a controlled environment in Andijk, The Netherlands since May, 2015 has shown that the unique features of this new *Heuchera* plant are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

The new *Heuchera* plant has 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 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

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‘IFHEORR’. These characteristics in combination distinguish ‘IFHEORR’ as a new and distinct *Heuchera* plant:

1. Compact and uniformly mounded plant habit.
2. Densely foliated and bushy appearance.
3. Greyed orange and yellow green-colored leaves.
4. Long flowering period.
5. Numerous inflorescences with red purple-colored flowers.
6. Good garden performance.

Plants of the new *Heuchera* differ primarily from plants of the female parent selection in leaf color as plants of the new *Heuchera* have greyed orange and yellow green-colored leaves whereas plants of the female parent selection have orange red-colored leaves. In addition, leaves of plants of the new *Heuchera* are more undulate than leaves of plants of the female parent selection.

Plants of the new *Heuchera* differ primarily from plants of the male parent selection in leaf color as plants of the new *Heuchera* have greyed orange and yellow green-colored leaves whereas plants of the male parent selection have orange red and white-colored leaves. In addition, leaves of plants of the new *Heuchera* are more undulate than leaves of plants of the male parent selection.

Plants of the new *Heuchera* can be compared to plants of *Heuchera* hybrid ‘Zipper’, disclosed in U.S. Plant Pat. No. 25,428. In side-by-side comparisons, plants of the new *Heuchera* differ primarily from plants of ‘Zipper’ in the following characteristics:

1. Plants of the new *Heuchera* grow faster than plants of ‘Zipper’.
2. Leaves of plants of the new *Heuchera* are not as undulate as leaves of plants of ‘Zipper’.
3. Plants of the new *Heuchera* and ‘Zipper’ differ in leaf color as plants of the new *Heuchera* have greyed orange and yellow green-colored leaves whereas plants of ‘Zipper’ have golden amber to orange-colored leaves.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrates the overall appearance of the new *Heuchera* 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 *Heuchera* plant.

The photograph on the first sheet is a side perspective view of a typical flowering plant of 'IFHEORR' grown in a container.

The photograph at the top of the second sheet is a close-up view of typical leaves of 'IFHEORR'.

The photograph at the bottom of the second sheet is a close-up view of a typical inflorescence of 'IFHEORR'.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following observations, measurements and values describe plants grown during the summer with three plants in a 15-cm containers in an outdoor nursery in Heerhugowaard, The Netherlands and under cultural practices typical of commercial *Heuchera* production. During the production of the plants, day temperatures ranged from 10° C. to 25° C. and night temperatures ranged from 4° C. to 15° C. Plants were 18 weeks old when the photographs and the description were taken. In the description, color references are made to The Royal Horticultural Society Colour Chart, 2015 Edition, except where general terms of ordinary dictionary significance are used. Botanical classification: *Heuchera* hybrid 'IFHEORR'.

Parentage:

Female, or seed, parent.—Proprietary selection of *Heuchera* hybrid identified as code number 083-11-K023-02, not patented.

Male, or pollen, parent.—Proprietary selection of *Heuchera* hybrid identified as code number 083-10-C023-01, not patented.

Propagation:

Type.—By in vitro meristem culture.

Time to initiate roots, summer.—About ten days at temperatures about 22° C.

Time to initiate roots, winter.—About 15 days at temperatures about 20° C.

Time to produce a rooted young plant, summer.—About 42 days at temperatures about 20° C.

Time to produce a rooted young plant, winter.—About 50 days at temperatures about 20° C.

Root description.—Fine, fibrous; typically light brown 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.—Freely branching; medium density.

Plant description:

Plant and growth habit.—Herbaceous perennial; basal rosette plant habit with leaves developing from the base; densely foliated and dense and bushy appearance; compact and uniformly mounded plant habit; moderately vigorous growth habit; moderate growth rate.

Plant height, soil level to top of foliar plane.—About 20.8 cm.

Plant height, soil level to top of inflorescences.—About 54.6 cm.

Plant diameter or spread.—About 46.9 cm.

Leaf description:

Arrangement.—Alternate in basal rosettes; simple.

Length.—About 10.2 cm.

Width.—About 8.1 cm.

Shape.—Broadly ovate; palmately lobed.

Apex.—Short abruptly acute tip.

Base.—Hastate, lobes touching to slightly imbricate.

Margin.—About seven lobe per leaf; crenate with small and short abruptly acute tips; sinuses medium in depth and divergent; strongly undulate.

Texture and luster, upper surface.—Sparsely to moderately pubescent; slightly glossy.

Texture and luster, lower surface.—Densely pubescent; slightly glossy.

Venation pattern.—Palmate; reticulate.

Color.—Developing leaves, upper surface: Close to 166B; towards the margins, tinged with close to 148A. Developing leaves, lower surface: Close to 176B; towards the margins, tinged with close to 197B. Fully expanded leaves, upper surface: Close to 152A and 152B; venation, close to 152A. Fully expanded leaves, lower surface: Close to 184B; venation, close to 177A to 177B.

Petioles.—Length: About 15.5 cm. Diameter: About 2.5 mm. Strength: Moderately strong. Texture and luster, upper and lower surfaces: Densely pubescent; glossy. Color, upper and lower surfaces: Close to between 152A and 197B.

Stipules.—Quantity and arrangement: One at the base of each leaf. Length: About 1.9 cm. Width: About 5 mm. Shape: Broadly lanceolate with acute apex. Color, upper and lower surfaces: Close to 61A.

Flower description:

Flower type and flowering habit.—Single campanulate flowers arranged on axillary compound spikes; each spike with about 300 flowers; about 3,000 flowers develop per plant during the flowering season; flowers are mostly nodding.

Fragrance.—None detected.

Time of flowering.—Plants flower continuously from the late spring into the summer in The Netherlands; plants begin flowering about four months after planting.

Inflorescence longevity.—Individual flowers last about a week on the plant; flowers not persistent.

Inflorescence length.—About 36.3 cm.

Inflorescence width.—About 9.4 cm.

Flower diameter.—About 5 mm by 5 mm.

Flower depth (height).—About 6 mm.

Flower buds.—Height: About 3 mm. Diameter: About 2 mm. Shape: Broadly obovate. Texture and luster: Densely pubescent; matte. Color: Distally, close to 160A and proximally, close to 183C.

Petals.—Quantity and arrangement: Five petals in a single whorl. Length: About 3 mm. Width: About 1 mm. Shape: Oblanceolate. Apex: Acute. Base: Long attenuate. Margin: Entire. Texture and luster, upper and lower surfaces: Smooth, glabrous; matte. Color: When opening, upper and lower surfaces: Close to NN155C. Fully opened, upper and lower surfaces: Close to NN155C; venation, close to NN155C; color does not change with development.

Sepals.—Quantity and arrangement: Five sepals in a single whorl; lower 75% fused. Length: About 5 mm. Width: About 1.5 mm. Shape: Ovate. Apex: Obtuse. Margin: Entire. Texture and luster, upper surface: Smooth, glabrous; matte. Texture and luster, lower

surface: Densely pubescent; matte. Color: When opening, upper surface: Close to 146D; proximally, close to NN155A. When opening, lower surface: Close to 146D; proximally, close to NN155A; main vein, close to 59C to 59D. Fully opened, upper 5
surface: Close to 146D tinged with close to 59D; proximally, close to NN155A. Fully opened, lower surface: Close to 146D tinged with close to 59D; proximally, close to NN155A; main vein, close to 59C to 59D. 10

Peduncles.—Length: About 53.6 cm. Diameter: About 3 mm. Strength: Moderately strong. Aspect: Erect to about 50° from vertical. Texture and luster: Densely pubescent; glossy. Color: Close to N186C.

Pedicels.—Length: About 4 mm. Diameter: About 0.5 15
mm. Strength: Moderately strong. Aspect: About 35° from peduncle axis. Texture and luster: Moderately to densely pubescent; slightly glossy. Color: Close to 183C; proximally, close to 183A.

Reproductive organs.—Androecium: Stamen number: 20
Five per flower. Filament length: About 2 mm. Filament color: Close to NN155D. Anther length: About 0.5 mm. Anther shape: Deltoid. Anther color:

Close to N167C. Amount of pollen: Scarce. Pollen color: Close to 14B. Gynoecium: Pistil number: Two or occasionally three per flower. Pistil length: About 3.5 mm. Style length: About 3.25 mm. Style color: Close to 157D; proximally, close to 145B. Stigma diameter: About 0.2 mm. Stigma shape: Club-shaped. Stigma color: Close to 145D. Ovary color: Close to 145A to 145B.

Seeds and fruits.—To date, seed and fruit development have not been observed on plants of the new *Heuchera*.

Pathogen & pest resistance: To date, plants of the new *Heuchera* have not been observed to be resistant to pathogens and pests common to *Heuchera* plants.

Garden performance: Plants of the new *Heuchera* have been observed to have good garden performance and to tolerate high temperatures about 35° C. and to be suitable for USDA Hardiness Zones 3 through 9.

It is claimed:

1. A new and distinct *Heuchera* plant named 'IFHEORR' as illustrated and described.

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