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

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(54) **HYDRANGEA PLANT NAMED**
'BOKRATORCH'

(50) Latin Name: *Hydrangea paniculata*
Varietal Denomination: **Bokratorch**

(75) Inventor: **Kees Jan Kraan**, Papenveer (NL)

(73) Assignee: **Boot & Co. Boomkwekerijen B.V.**,
Boskoop (NL)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 65 days.

(21) Appl. No.: **12/315,155**

(22) Filed: **Nov. 28, 2008**

(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./250**

(58) **Field of Classification Search** Plt./250
See application file for complete search history.

(56) **References Cited**

OTHER PUBLICATIONS

UPOV ROM GTITM Computer Database, GTI Jouve Retrieval Soft-
ware 2009/04 Citation for 'Bokratorch'.*

* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of *Hydrangea* plant named
'Bokratorch', characterized by its compact and outwardly
spreading plant habit; and inflorescences with white and red
purple-colored flowers that with development become purple
pink in color.

3 Drawing Sheets

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Botanical designation: *Hydrangea paniculata*.
Cultivar denomination: 'Bokratorch'.

**CROSS-REFERENCED TO RELATED
APPLICATIONS**

Title: *Hydrangea* Plant Named 'Bokraplume' U.S. Plant
patent application Ser. No. 12/315,154.

Applicant: Kees Jan Kraan .

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Hydrangea* plant, botanically known as *Hydrangea pan-*
iculata and hereinafter referred to by the name 'Bokratorch'.

The new *Hydrangea* plant is the product of an open-pollina-
tion occurring in July, 2003 in Boskoop, The Netherlands.
The female, or seed, parent is an unnamed seedling selection
of *Hydrangea paniculata*, not patented and the male, or pol-
len, parent is an unknown selection of *Hydrangea paniculata*.
The new *Hydrangea* was discovered and selected by the
Inventor as a single flowering plant within the progeny of the
stated open-pollination in a controlled environment in Bosk-
oop, The Netherlands during the summer of 2005.

Asexual reproduction of the new *Hydrangea* plant by veg-
etative cuttings in a controlled greenhouse environment in
Boskoop, The Netherlands since the summer of 2005, has
shown that the unique features of this new *Hydrangea* plant
are stable and reproduced true to type in successive genera-
tions.

SUMMARY OF THE INVENTION

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

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The following traits have been repeatedly observed and are
determined to be the unique characteristics of 'Bokratorch' .
These characteristics in combination distinguish 'Bokra-
torch' as a new and distinct cultivar of *Hydrangea*:

- 5 1. Compact and outwardly spreading plant habit.
- 2. Inflorescences with white and red purple-colored flow-
ers that become purple pink in color with development.

Plants of the new *Hydrangea* differ from plants of the
female parent selection primarily in plant habit as plants of
the new *Hydrangea* are more compact than plants of the
female parent selection.

Plants of the new *Hydrangea* can be compared to plants of
Hydrangea 'Bokraplume', disclosed in U.S. Plant patent
application Ser. No. 12/315,154. Plants of the new *Hydran-*
gea differ primarily from plants of 'Bokraplume' in the fol-
lowing characteristics:

- 1. Plants of the new *Hydrangea* are broader than plants of
'Bokraplume'.
- 2. Plants of the new *Hydrangea* have smaller panicles than
plants of 'Bokraplume'.
- 3. Plants of the new *Hydrangea* and 'Bokraplume' differ in
sterile flower color.

Plants of the new *Hydrangea* can be compared to plants of
Hydrangea 'Kyushu', not patented. Plants of the new
Hydrangea differ primarily from plants of 'Kyushu' in the
following characteristics:

- 1. Plants of the new *Hydrangea* are more compact than
plants of 'Kyushu'.
- 2. Flowers of plants of the new *Hydrangea* become purple
pink in color with development whereas flowers of
plants of 'Kyushu' become off-white to brown with
development.

Plants of the new *Hydrangea* can also be compared to
plants of *Hydrangea* 'Pink Diamond', not patented. Plants of
the new *Hydrangea* differ primarily from plants of 'Pink
Diamond' in the following characteristics:

- 1. Plants of the new *Hydrangea* are more compact than
plants of 'Pink Diamond'.

2. Plants of the new *Hydrangea* have smaller panicles than plants of 'Pink Diamond'.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the unique appearance of the new cultivar, showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photographs may differ from the color value cited in the detailed botanical description which accurately describe the colors of the new *Hydrangea*.

The photograph on the first sheet comprises a side perspective view of a typical plant of 'Bokratorch' grown in an outdoor nursery.

The photograph on the second sheet is a close-up view of a typical leaf of 'Bokratorch'.

The photograph at the top of the third sheet is a close-up view of a typical developing inflorescence of 'Bokratorch'.

The photograph at the bottom of the third sheet is a close-up view of a typical developed inflorescence of 'Bokratorch'.

DETAILED BOTANICAL DESCRIPTION

Plants used in the aforementioned photographs and in the following description were grown during the spring and summer in Boskoop, The Netherlands, in an outdoor nursery and under conditions which closely approximate commercial production conditions. During the production of the plants, day temperatures ranged from 14° C. to 30° C. and night temperatures ranged from 4° C. to 16° C. Plants of the new *Hydrangea* had been growing for four years 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 description: *Hydrangea paniculata* 'Bokratorch'.

Parentage:

Female, or seed, parent.—Unnamed seedling selection of *Hydrangea paniculata*, not patented.

Male, or pollen, parent.—Unknown selection of *Hydrangea paniculata*, not patented.

Propagation:

Method.—By softwood cuttings.

Time to initiate roots.—About 25 days at temperatures of 22° C.

Time to produce a rooted young plant.—About three months at temperatures of 18° C.

Root description.—Medium in thickness, moderately fleshy; light brown in color.

Plant description:

Form/growth habit.—Compact and outwardly spreading plant habit; broad inverted triangle. Moderately strong lateral branches; moderately vigorous growth habit.

Plant height.—About 79.8 cm.

Plant diameter or area of spread.—About 131.8 cm.

Branching habit.—Freely branching habit with about 35 lateral branches per plant; pinching enhances lateral branch development.

Lateral branches.—Length: About 52.6 cm. Diameter: About 5 mm. Internode length: About 5.7 cm. Texture, developing and fully developed: Smooth, glabrous. Angle: About 45° from vertical. Strength: Strong. Color, developing: Close to 187C. Color, fully developed: Close to 199A.

Foliage description:

Arrangement.—Opposite, simple.

Length.—About 10.5 cm.

Width.—About 6.1 cm.

Shape.—Ovate.

Apex.—Acute to short apiculate.

Base.—Obtuse.

Margin.—Serrate.

Texture, upper and lower surfaces.—Sparsely pubescent; slightly rugose.

Venation pattern.—Pinnate.

Color.—Developing leaves, upper surface: Between 144A and 146A. Developing leaves, lower surface: Close to 146B. Fully expanded leaves, upper surface: Between 143A and 144A; venation, close to 147C. Fully expanded leaves, lower surface: Close to 138B to 138C; venation, between 147C and 148C.

Petiole.—Length: About 1.6 cm. Diameter: About 2.5 mm. Texture, upper and lower surfaces: Sparsely pubescent. Color, upper surface: Close to 183A to 183B. Color, lower surface: Close to 177B to 177C.

Flower description:

Flower type and habit.—Single fertile and sterile flowers arranged on terminal lacecap panicles; panicles roughly conical. Flowers face upright to outward.

Fragrance.—Sweet, moderate.

Natural flowering season.—Continuous flowering during the summer to the late summer in The Netherlands.

Flower longevity.—Fertile flowers last about one week on the plant and sterile flowers last about three weeks on the plant; fertile flowers not persistent and sterile flowers persistent.

Quantity of flowers.—Freely flowering habit; about 450 fertile flowers and about 27 sterile flowers per panicle.

Panicle height.—About 11.9 cm.

Panicle diameter.—About 10.6 cm.

Fertile flowers.—Diameter: About 8 mm. Depth (height): About 6 mm. Flower buds: Length: About 4 mm. Diameter: About 3 mm. Shape: Broadly ovate. Color: Close to 155C flushed with close to 62C. Petals: Arrangement: About five in a single whorl. Length: About 4 mm. Width: About 1.5 mm. Shape: Ovate. Apex: Acute. Base: Cuneate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper and lower surfaces: Close to 155C. Fully opened, upper and lower surfaces: Close to 155A. Sepals: Not observed. Pedicels: Length: About 2 mm. Diameter: About 0.5 mm. Strength: Moderately strong. Texture: Smooth, glabrous. Color: Close to 155A. Reproductive organs: Stamens: Quantity per flower: About eight. Filament length: About 4 mm. Filament color: Close to 155C. Anther shape: Reniform. Anther length: About 1 mm. Anther color: Close to 155A to 155B. Pollen amount: Scarce. Pollen color: Close to 158C to 158D. Pistils: Pistil quantity per flower: About three. Pistil length: About 2.5 mm. Stigma shape: Flattened. Stigma color: Close to 155A. Style length: About 2 mm. Style color: Close to 155C. Ovary color: Close to 155A.

Sterile flowers.—Diameter: About 3.2 cm. Depth (height): About 6 mm. Flower buds: Length: About 6 mm. Diameter: About 4 mm. Shape: Broadly ovate. Color: Close to 155C. Petals: Arrangement: About four in a single whorl. Length: About 4 mm. Width:

About 1.5 mm. Shape: Ovate. Apex: Acute. Base: Cuneate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper surface: Close to 155D. When opening, lower surface: Close to 155C flushed with close to 62C to 62D. Fully opened, upper surface: Close to 155C to 155D. Fully opened, lower surface: Close to 155C, towards the apex, close to 64D. Sepals: Arrangement: About four in a single whorl. Length: About 1.6 cm. Width: About 1.5 cm. Shape: Broadly obovate. Apex: Retuse to rounded. Base: Cuneate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper and lower surfaces: Close to 155A; towards the apex, close to 64C to 64D. Fully opened, upper surface: Close to 155B; distal half, flushed with close to 62C; apex, close to 64C to 64D; with development color becoming closer to 187C to 187D. Fully opened, lower surface: Close to 155B; distal half, flushed with close to 62C to 62D; apex, close to 64C to 64D; with development color becoming closer to 198D, close to 186A to 186B towards the margins. Pedicels: Length: About 1.3 cm.

Diameter: About 1 mm. Strength: Moderately strong. Texture: Smooth, glabrous. Color: Close to 155B. Reproductive organs: Stamens: Quantity per flower: About eight. Filament length: About 3 mm. Filament color: Close to 155C. Anther shape: Reniform. Anther length: About 1 mm. Anther color: Close to 155A. Pollen amount: Scarce. Pollen color: Close to 158C to 158D. Pistils: Not observed.

Fruits/seeds.—Fruit and seed development have not been observed on plants of the new *Hydrangea*.

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

Temperature tolerance: Plants of the new *Hydrangea* have been shown to be tolerant to temperatures ranging from about -20° C. to about 35° C.

It is claimed:

1. A new and distinct *Hydrangea* plant named 'Bokratorch' as illustrated and described.

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