



US00PP35989P2

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

(10) **Patent No.:** **US PP35,989 P2**

(45) **Date of Patent:** **Jul. 9, 2024**

(54) **HYDRANGEA PLANT NAMED**
‘WNHYDFBVIYWMH’

(50) Latin Name: *Hydrangea* hybrid
Varietal Denomination: **WNHYDFBVIYWMH**

(71) Applicant: **Wingen, LLC**, Mustang Ridge, TX
(US)

(72) Inventor: **Ushio Sakazaki**, Shiga (JP)

(73) Assignee: **WinGen LLC**, Mustang Ridge, TX
(US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **18/387,289**

(22) Filed: **Nov. 6, 2023**

(51) **Int. Cl.**
A01H 5/00 (2018.01)
A01H 6/48 (2018.01)

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

(58) **Field of Classification Search**
USPC **Plt./226, 250**
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP35,612 P2 * 1/2024 Sakazaki **Plt./250**

* cited by examiner

Primary Examiner — Karen M Redden

(74) *Attorney, Agent, or Firm* — Cassandra Bright

(57) **ABSTRACT**

A new and distinct cultivar of *Hydrangea* plant named
‘WNHYDFBVIYWMH’ is disclosed, characterized by mop-
head inflorescences, emerging from both terminal and lateral
buds. Sepals emerge pale green, fading swiftly to white.
Plants flower early, and have mounded, cascading habits.
The new variety is a *Hydrangea*, typically produced as an
outdoor ornamental plant.

3 Drawing Sheets

1

Latin name of the genus and species: *Hydrangea* hybrid.
Variety denomination: ‘WNHYDFBVIYWMH’.

BACKGROUND OF THE INVENTION

The new cultivar is a product of a planned breeding
program conducted by the inventor, at a commercial nursery
in Higashiomi, Shiga, Japan. The objective of the breeding
program was to produce new mophead *Hydrangea* varieties
with cascading habits. The crossing resulting in the new
variety was made in May of 2016.

The seed parent is the variety *Hydrangea macrophylla*,
‘Sugar White’, unpatented. The pollen parent is an unnamed,
unpatented specimen of the variety *Hydrangea luteovenosa*.
The new variety was found and selected by the inventor in
June of 2018 at the same nursery in Higashiomi, Shiga,
Japan.

Asexual reproduction of the new cultivar
‘WNHYDFBVIYWMH’ was first performed during October
of 2018 in Higashiomi, Shiga, Japan, by terminal cuttings.
Through subsequent propagation, multiple additional gen-
erations have been reproduced, having shown that the
unique features of this cultivar are stable and reproduced
true to type.

Date of first sale was Jun. 27, 2023, in Grand Haven,
Michigan. This sale was made directly by the inventor or one
who obtained the claimed invention directly or indirectly
from the inventor. This sale and all public disclosures made
between Jun. 27, 2023 and the filing of this application fall
within the exception allowed under 102(b)(1).

SUMMARY OF THE INVENTION

The cultivar ‘WNHYDFBVIYWMH’ has not been
observed under all possible environmental conditions. The

2

phenotype may vary somewhat with variations in environ-
ment such as temperature, day length, 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
‘WNHYDFBVIYWMH.’ These characteristics in combina-
tion distinguish ‘WNHYDFBVIYWMH’ as a new and dis-
tinct *Hydrangea* cultivar:

1. Mophead inflorescences which emerge from both termi-
nal and lateral buds.
2. Sepals emerge pale green then swiftly mature to white.
3. Cascading/trailing type habit.
4. Leaf shape and size is intermediate between *Hydrangea*
macrophylla and *Hydrangea luteovenosa*.

PARENT COMPARISONS

Plants of ‘WNHYDFBVIYWMH’ are similar to plants of
the seed parent in most horticultural characteristics, how-
ever, plants of ‘WNHYDFBVIYWMH’ differ in the follow-
ing:

1. Leaves of the new variety are medium sized, while leaves
of the seed parent are large.
2. Flowers of the new variety set on terminal and lateral
buds, while flowers of the seed parent set only on terminal
buds.
3. The new variety flowers earlier than the seed parent.
4. Growth habit of the new variety is weeping/cascading,
while the growth habit of the seed parent is upright.

Plants of ‘WNHYDFBVIYWMH’ are similar to plants of
the pollen parent in most horticultural characteristics, how-
ever, plants of ‘WNHYDFBVIYWMH’ differ in the follow-
ing:

1. Leaves of the new variety are medium sized, while leaves of the pollen parent are small.
2. Flower sepals of the new variety are larger than flower sepals of the pollen parent.
3. Inflorescences of the new variety are mophead, while inflorescences of the pollen parent are lacecap.

COMMERCIAL COMPARISON

Plants of the new cultivar *Hydrangea* ‘WNHYDFBVYWMH’ can be compared to the commercial variety *Hydrangea* ‘USHYD0405’, U.S. Plant Pat. No. 31,120. Plants of ‘WNHYDFBVYWMH’ are similar to plants of ‘USHYD0405’ in most horticultural characteristics, however, plants of ‘WNHYDFBVYWMH’ differ in the following:

1. Inflorescences of the new variety are mophead, while inflorescences of this comparator are lacecap.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photograph in FIG. 1 illustrates in full color a typical plant of ‘WNHYDFBVYWMH’ grown in a poly-greenhouse in Grand Haven, Michigan. This plant is approximately 2-3 years old, grown in a #3 container.

FIG. 2 illustrates in full color a 3-year old plant of ‘WNHYDFBVYWMH’ grown in the ground outdoors.

FIG. 3 is a close-up view of typical flowers.

The photographs were taken using conventional techniques and although colors may appear different from actual colors due to light reflectance it is as accurate as possible by conventional photographic techniques.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to The Royal Horticultural Society Colour Chart 2015, except where general terms of ordinary dictionary significance are used. The following observations and measurements describe ‘WNHYDFBVYWMH’ plants grown outdoors in Grand Haven, Michigan. The plants were about 2 to 3 years old. Temperatures ranged from 5° C. to 10° C. at night to 18° C. to 27° C. during the day. No artificial light, photoperiodic treatments were given to the plants. Measurements and numerical values represent averages of typical plant types. Botanical classification: *Hydrangea* hybrid ‘WNHYDFBVYWMH’.

PROPAGATION

Typical method: Terminal cuttings.
 Root initiation: 5 to 7 days in the summer.
 Time to produce rooted cutting: 28 days in the summer.
 Roots: Thin to medium, freely branching, fibrous, moderately dense. Beige to tan in color, not accurately measured with R.H.S. chart.

PLANT

Growth habit: Upwards and outwards in a drooping manner.
 Shape: Mounded and cascading.
 Height: 58 cm.
 Plant spread: 66 cm.
 Pot size of plant described: #3 container.
 Age of plant described: Approximately 2 to 3 years.
 Growth rate: Good.
 Plant vigor: Quite vigorous.

Stem:

Branching.—Basal, pinching required.
Number of lateral branches.—About 30.
Shape.—Rounded, smooth.
Color.—Immature: RHS Yellow-Green N148A. Mature: RHS Yellow-Green N148A with tints of Greyed-Orange 166A.
Length.—51 cm.
Width.—5 mm.
Aspect.—0 to 45°.
Strength.—Good.
Pubescence.—None.
Internode length.—6.75 cm.

FOLIAGE

Leaf:

Arrangement.—Opposite.
Shape.—Elliptic.
Length.—11.3 cm.
Width.—5.8 cm.
Apex.—Acuminate.
Base.—Cuneate.
Margin.—Serrulate.
Texture of top surface.—Glabrous, somewhat coriaceous/waxy, soft and flexible.
Texture of bottom surface.—Glabrous, somewhat coriaceous/waxy, soft and flexible with pronounced venation.
Pubescence.—None.
Color.—Young Foliage, Upper Side: RHS Green 137A. Young Foliage, Under Side: RHS Yellow-Green 146B. Mature Foliage, Upper Side: Near RHS Green NN137A. Mature Foliage, Under Side: RHS Green NN137D.

Venation:

Type.—Pinnate.
Color.—Mature, Upper Side: RHS Yellow-Green 147D. Mature, Under Side: RHS Yellow-Green 147D.

Petiole:

Length.—1.25 cm.
Width.—3 mm.
Color.—Upper Side: RHS Yellow-Green 147D. Under Side: RHS Yellow-Green 147D, with tints of Greyed-Orange 166A.
Texture.—Upper Side: Glabrous, smooth. Under Side: Glabrous, smooth.

INFLORESCENCE

Natural flowering season: June to July.
 Inflorescence type: Mophead.
 Panicle:
Shape.—Globular, with a flat base; compound umbel.
Height.—8 cm.
Diameter.—13 cm.
 Fragrance: None.
 Sterile flowers:
Flowers per inflorescence.—50 to 75.
Aspect.—Upright and outward.
Shape.—Single whorl.
Length.—4 cm.
Diameter.—4 cm.
Depth.—0.5 cm.
Persistence.—Persistent.

Bud:

Length.—3 mm.
Diameter.—2 mm.
Shape.—Obovate.
Color.—RHS Yellow-Green 144D.

Petals:

Number per flower.—4.
Arrangement.—Cruciform.
Shape.—Elliptic.
Tip.—Acute.
Base.—Flattened.
Margin.—Entire.
Length.—2.5 mm.
Width.—2 mm.
Texture.—Upper side: Glabrous. Under side: Glabrous.
Color.—When Opening, Upper Side: RHS Yellow-Green 145C. When Opening, Under Side: RHS Yellow-Green 145C. Fully Opened, Upper Side: RHS White NN155B. Fully Opened, Under Side: RHS White NN155B.

Sepal:

Number.—Typically 4, sometimes 5.
Arrangement.—Cruciform/stellate.
Shape.—Globose.
Tip.—Obtuse.
Base.—Attenuate.
Margin.—Entire.
Length.—2 to 2.5 cm.
Width.—2 to 2.5 cm.
Texture.—Upper side: Soft and silky. Under side: Soft and silky.
Color.—When Opening, Upper Side: RHS Yellow-Green 144C. When Opening, Under Side: RHS Yellow-Green 144C. Fully Opened, Upper Side: RHS White NN155B with slight, occasional streaks of Yellow-Green 144C. Fully Opened, Under Side: RHS White NN155B with slight, occasional streaks of Yellow-Green 144C.

Pedicle:

Length.—2 cm.
Diameter.—1.5 cm.
Angle.—45° relative to peduncle.
Strength.—Good, somewhat flexible.
Texture.—Slightly pubescent.
Color.—RHS White NN155B with sparse freckles of Greyed-Orange 166A and terminating in Greyed-Orange 166A.

Fertile flowers:

Flowers per inflorescence.—25 to 30.
Aspect.—Upright.
Shape.—Round, single whorl of petals.
Length.—0.75 cm.
Diameter.—0.75 cm.
Depth.—0.5 cm.
Persistence.—Self-cleaning.

Bud:

Length.—4 mm.
Bud diameter.—3 mm.
Bud shape.—Obovate.
Bud color.—RHS Yellow-Green 144D.

Petals:

Number per flower.—5.
Arrangement.—Stellate.
Shape.—Elliptic.
Tip.—Acute.

Base.—Flattened.

Margin.—Entire.

Length.—4 mm.

Width.—2.5 mm.

5 *Texture.*—Upper Side: Glabrous. Under Side: Glabrous.

Color.—When Opening, Upper Side: RHS Yellow-Green 144C. When Opening, Under Side: RHS Yellow-Green 144C. Fully Opened, Upper Side: RHS White NN155B. Fully Opened, Under Side: RHS White NN155B.

Sepal:

Number.—4.

Arrangement.—Cruciform.

Shape.—Elliptic.

Tip.—Acuminate.

Base.—Fused.

Margin.—Entire.

Length.—2 mm.

Width.—1.5 mm.

10 *Texture.*—Upper Side: Glabrous. Under Side: Glabrous.

Color.—When Opening, Upper Side: RHS Yellow-Green 145A. When Opening, Under Side: RHS Yellow-Green 145A. Fully Opened, Upper Side: RHS Yellow-Green 145A. Fully Opened, Under Side: RHS Yellow-Green 145A.

Pedicle:

15 *Length.*—4 mm.

Diameter.—1 mm.

Angle.—90° relative to peduncle.

Strength.—Good, somewhat flexible.

Texture.—Glabrous.

Color.—RHS Yellow-Green 145A.

REPRODUCTIVE ORGANS

Sterile flower:

40 Pistil:

Number.—1.

Length.—3 mm.

Stigma:

Shape.—2 to 3-lobed, fused.

45 *Color.*—RHS Green-White 157A.

Style length.—1.5 mm.

Style color.—RHS Green-White 157A.

Stamens:

Number.—8.

50 *Filament length.*—5 mm.

Filament color.—RHS White NN155B.

Anthers:

Shape.—Oblong.

Length.—1 mm.

55 *Color.*—RHS Yellow-Green 145B.

Pollen amount.—Sparse.

Fertile flower:

Stamens:

Number.—10.

60 *Filament length.*—4 mm.

Filament color.—RHS White NN155B.

Anthers:

Shape.—Oblong.

Length.—1 mm.

65 *Color.*—RHS Yellow-Green 145B.

Pollen amount.—Sparse.

Pistil:

Number.—1.
Length.—4 mm.

Stigma:

Shape.—3-lobed, fused.
Color.—RHS Yellow-Green 145B.
Style length.—Less than 1 mm.
Style color.—RHS Yellow-Green 145B.
Ovary color.—RHS Yellow-Green 145B.

OTHER CHARACTERISTICS

Disease resistance: Neither resistance nor susceptibility to the normal diseases and pests of *Hydrangea* has been observed.

⁵ Drought tolerance and cold tolerance: The new cultivar can tolerate cold temperatures to approximately -31° C. and tolerates an upper temperature range to at least 38° C.

What is claimed is:

¹⁰ 1. A new and distinct cultivar of *Hydrangea* plant named 'WNHYDFBVYWMH' as herein illustrated and described.

* * * * *



FIG. 1



FIG. 2

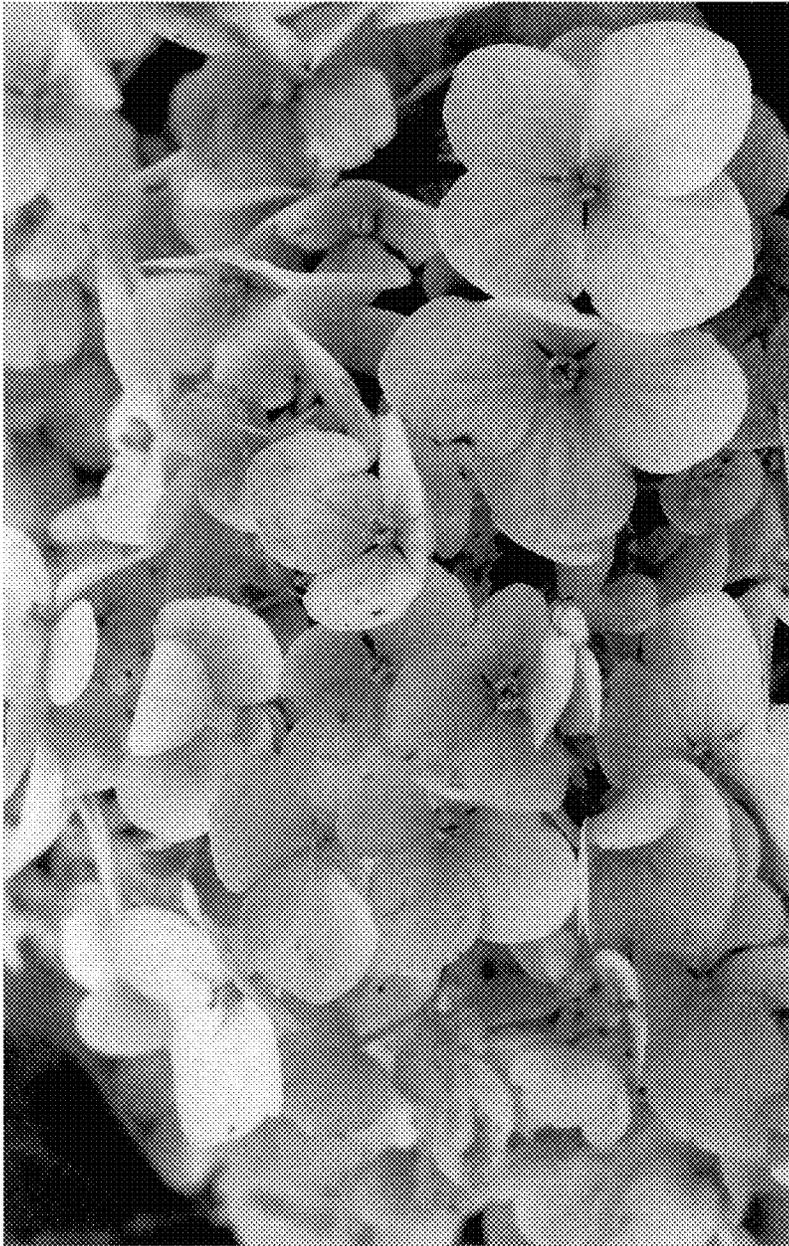


FIG. 3