



US00PP30603P2

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

(10) **Patent No.:** **US PP30,603 P2**
(45) **Date of Patent:** **Jun. 25, 2019**

(54) *ANEMONE* PLANT NAMED ‘ANEM080’

(50) Latin Name: *Anemone hupehensis*
Varietal Denomination: ANEM080

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(*) 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.: **15/732,950**

(22) Filed: **Jan. 12, 2018**

(51) **Int. Cl.**
A01H 5/02 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./263.1**

(58) **Field of Classification Search**
USPC Plt./263.1
See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of *Anemone* plant named ‘ANEM080’, characterized by its upright and relatively compact plant habit; moderately vigorous to vigorous growth habit; early and freely flowering habit; long flowering period; single-type flowers that are bright red purple in color; and good garden performance.

2 Drawing Sheets

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Botanical designation: *Anemone hupehensis*.
Cultivar denomination: ‘ANEM080’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Anemone*, botanically known as *Anemone hupehensis* and hereinafter referred to by the name ‘ANEM080’.

The new *Anemone* plant is a product of a planned breeding program conducted by the Inventor in Zuidwolde, The Netherlands. The objective of the breeding program is to create new long-flowering *Anemone* plants with large attractive flowers.

The new *Anemone* plant originated from a cross-pollination made by the Inventor in September, 2015 in Zuidwolde, The Netherlands of two unidentified seedling selections of *Anemone hupehensis*, not patented. The new *Anemone* plant was discovered and selected by the Inventor as a single flowering plant within the progeny of the stated cross-pollination in a controlled greenhouse environment in Zuidwolde, The Netherlands in September, 2016.

Asexual reproduction of the new *Anemone* by in vitro meristem culture in a controlled environment in Zuidwolde, The Netherlands since November, 2017 has shown that the unique features of this new *Anemone* plant are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new *Anemone* have not been observed under all possible combinations of environmental conditions and various 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 ‘ANEM080’. These characteristics in combination distinguish ‘ANEM080’ as a new and distinct *Anemone* plant:

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1. Upright and relatively compact plant habit.
2. Moderately vigorous to vigorous growth habit.
3. Early and freely flowering habit.
4. Long flowering period.
5. Single-type flowers that are bright red purple in color.
6. Good garden performance.

Plants of the new *Anemone* can be compared to plants of the parent selections. Plants of the new *Anemone* differ primarily from plants of the parent selections in plant habit as plants of the new *Anemone* are more compact than plants of the parent selections.

Plants of the new *Anemone* can be compared to plants of *Anemone hupehensis* ‘Pocahontas’, disclosed in U.S. Plant Pat. No. 25,352. In side-by-side comparisons, plants of the new *Anemone* and ‘Pocahontas’ differ primarily in the following characteristics:

1. Plants of the new *Anemone* are more compact than plants of ‘Pocahontas’.
2. Plants of the new *Anemone* and ‘Pocahontas’ differ in flower color as plants of ‘Pocahontas’ have light purple-colored flowers.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

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

The photograph on the first sheet is a side perspective view of a typical plant of ‘ANEM080’ in a container.

The photograph at the top of the second sheet comprises a close-up view of typical leaves of ‘ANEM080’.

The photograph at the bottom of the second sheet comprises a close-up view of typical flowers of ‘ANEM080’.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following observations, measurements and values describe plants grown dur-

ing the summer in 21-cm containers in an outdoor nursery in Zuidwolde, The Netherlands and under cultural practices typical of commercial *Anemone* production. During the production of the plants, day temperatures ranged from 18° C. to 30° C. and night temperatures ranged from 6° C. to 18° C. Plants were one year old when the photographs and description were taken. In the following 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: *Anemone hupehensis* 'ANEM080'.
Parentage:

Female, or seed, parent.—Unidentified seedling selection of *Anemone hupehensis*, not patented.

Male, or pollen, parent.—Unidentified seedling selection of *Anemone hupehensis*, not patented.

Propagation:

Type.—In vitro meristem culture.

Time to initiate roots, summer.—About 14 days at temperatures about 25° C.

Time to initiate roots, winter.—About 20 days at temperatures about 10° C.

Time to produce a rooted young plant, summer.—About 60 days at temperatures about 20° C.

Time to produce a rooted young plant, winter.—About 75 days at temperatures about 18° C.

Root description.—Medium in thickness, fleshy; close to N199C to N199D 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; dense.

Plant description:

Plant and growth habit.—Herbaceous perennial; upright and relatively compact plant habit with leaves developing from basal rosettes; numerous basal rosettes developing per plant; ovate to oblong in overall shape; moderately vigorous to vigorous growth habit; moderate growth rate.

Plant height, soil level to top of foliar plane.—About 21 cm.

Plant height, soil level to top of floral plane.—About 48 cm.

Plant diameter.—About 35.6 cm.

Leaf description:

Arrangement, basal leaves.—Alternate; simple or compound with three leaflets per leaf.

Arrangement, cauline leaves.—Opposite; simple or compound with three leaflets per leaf.

Length, basal leaves.—About 8.9 cm.

Width, basal leaves.—About 7.7 cm.

Length, cauline leaves.—About 5 cm.

Width, cauline leaves.—About 3.9 cm.

Length, basal leaflets.—About 6.9 cm.

Width, basal leaflets.—About 3.6 cm.

Length, cauline leaflets.—About 4.2 cm.

Width, cauline leaflets.—About 2 cm.

Shape, basal and cauline leaves.—Broadly ovate.

Shape, basal leaflets.—Ovate.

Shape, cauline leaflets.—Narrowly ovate.

Apex, basal and cauline leaves and leaflets.—Acute.

Base, basal and cauline leaves and leaflets.—Obtuse to attenuate.

Margin, basal and cauline leaves and leaflets.—Serrulate; simple leaves tri-lobed, depth of sinuses are medium to deep and divergent.

Texture and luster, basal and cauline leaves and leaflets, upper and lower surfaces.—Sparsely pubescent; matte.

Venation pattern, basal and cauline leaves and leaflets.—Laciniate.

Color, basal and cauline leaves and leaflets.—Developing leaves and leaflets, upper surface: Close to 143A. Developing leaves and leaflets, lower surface: Close to between 143B and 144A. Fully expanded leaves and leaflets, upper surface: Close to NN137A; venation, close to 144A. Fully expanded leaves and leaflets, lower surface: Close to 147B; venation, close to 144C.

Leaf petioles.—Length, basal leaves: About 14.5 cm. Length, cauline leaves: About 1.6 cm. Diameter, basal and cauline leaves: About 2 mm. Strength, basal and cauline leaves: Strong. Texture and luster, basal and cauline leaves, upper and lower surfaces: Moderately pubescent; glossy. Color, basal leaves, upper and lower surfaces: Close to 144A; towards the base, close to 183D. Color, cauline leaves, upper and lower surfaces: Close to 144A.

Stipules.—Quantity and arrangement: Two, opposite at the base of each leaf Length: About 1.9 cm. Diameter: About 3 mm. Shape: Narrowly oblong Texture, upper surface: Smooth, glabrous. Texture, lower surface: Moderately pubescent. Color, upper and lower surfaces: Close to 145C.

Flower description:

Flower arrangement and flowering habit.—Single-type rotate flowers arranged in simple and compound cymes; freely flowering habit with 100 flowers developing per plant; flowers face mostly upright to slightly outwardly.

Fragrance.—None detected.

Natural flowering season.—Plants of the new *Anemone* begin flowering about 125 days after planting and flower during summer until the late summer in The Netherlands.

Flower longevity.—Individual flowers last about ten days on the plant; flowers not persistent.

Inflorescence height.—About 46.5 cm.

Inflorescence diameter.—About 15.9 cm.

Flower diameter.—About 5.6 cm.

Flower length (depth).—About 1.9 cm.

Flower buds.—Length: About 1.3 cm. Diameter: About 9 mm. Shape: Ovate. Texture and luster: Densely pubescent; matte. Color: Close to N186D; towards the base, close to 145C.

Petals.—Absent.

Sepals.—Quantity and arrangement: Twelve arranged in about three whorls. Length: About 2.6 cm to 3.3 cm. Width: About 1 cm to 2.1 cm. Shape: Obovate to narrowly obovate. Apex: Obtuse. Base: Cuneate. Margin: Entire. Texture and luster, upper surface: Smooth, glabrous; velvety; slightly glossy. Texture and luster, lower surface: Densely pubescent; slightly glossy. Color: When opening, upper surface: Close to 64C. When opening, lower surface: Close to 64B. Fully opened, upper surface: Close to 64C; towards the base, close to 75A to 75B; venation, similar to lamina colors; color becoming closer to

72C with development. Fully opened, lower surface: Close to 72C; venation, similar to lamina color; color becoming closer to 75A with development.

Peduncles.—Length: About 32.7 cm. Diameter: About 3 mm. Aspect: About 10° from vertical. Strength: 5 Strong. Texture and luster: Densely pubescent; somewhat glossy. Color: Close to 144A and 146A.

Pedicels.—Length: About 7.5 cm. Diameter: About 1.5 mm. Aspect: About 30° from the peduncle axis. Strength: Moderately strong. Texture and luster: 10 Densely pubescent; slightly glossy. Color: Close to 148C occasionally tinged with close to 197B.

Reproductive organs.—Androecium: Stamen number per flower: About 150. Filament length: About 8mm. Filament color: Close to 150D. Anther shape: 15 Oblong. Anther length: About 2 mm. Anther diameter: About 0.5 mm. Anther color: Close to 14A. Amount of pollen: Scarce. Pollen color: Close to 11D. Gynoecium: Pistil number per flower: About

300. Pistil length: About 1 mm. Stigma shape: Club-shaped. Stigma length: About 0.5 mm. Stigma diameter: About 0.5 mm. Stigma color: Close to N144B. Style length: About 0.5 mm. Style color: Close to 150D. Ovary color: Close to 144A.

Seeds and fruits.—Seed and fruit development have not been observed on plants of the new *Anemone* to date.

Garden performance: Plants of the new *Anemone* have been observed to have good garden performance, to tolerate high temperatures of about 35° C. and to be suitable for USDA Hardiness Zones 4 through 9.

Pathogen & pest resistance: Plants of the new *Anemone* have not been observed to be resistant to pathogens and pests common to *Anemone* plants.

It is claimed:

1. A new and distinct *Anemone* plant named 'ANEM080' as illustrated and described.

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