



APPLICATIONS UNDER EXAMINATION

HOSTA

HOSTA
(*Hosta*)

Proposed denomination: 'Diamond Lake'
Application number: 18-9680
Application date: 2018/12/21
Applicant: Walters Gardens, Inc., Zeeland, Michigan, United States of America
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Hans A. Hansen, Zeeland, Michigan, United States of America

Varieties used for comparison: 'Blue Angel' and 'Neptune'

Summary: *The plants and leaf blades of 'Diamond Lake' are larger than those of both reference varieties. The petiole of 'Diamond Lake' is longer than that of both reference varieties. The leaf blade of 'Diamond Lake' is broad ovate with a cordate base whereas that of 'Neptune' is very narrow ovate with an acute base. The leaf blade of 'Diamond Lake' has a medium degree of blistering whereas the leaf blade of 'Blue Angel' has absent or weak blistering. The margin of the leaf blade of 'Diamond Lake' has a medium degree of undulation whereas that of 'Neptune' has strong undulation. The inflorescence of 'Diamond Lake' is shorter than that of both reference varieties. The inflorescence of 'Diamond Lake' has a medium number of flowers whereas the inflorescence of 'Neptune' has few flowers.*

Description:

PLANT: purple first scaly leaves

LEAF BLADE: broadest part moderately towards base, broad ovate, cordate base, acute apex, flat in cross section, many parallel veins, absent or very weak bulging, medium degree of blistering, medium degree of undulation of margin, absent or weak twisting

LEAF BLADE COLOUR: one colour, dark green (RHS N138A) to dark grey green (RHS 189B), very large surface area, distributed throughout, solid or nearly solid pattern

PETIOLE: "u" shaped in cross section on inner side, yellow green to light green, no anthocyanin colouration

INFLORESCENCE: medium number of flowers, drooping flower attitude, medium brown green (RHS 146C) bracts

FLOWER: single

OUTER COROLLA LOBE: outer side light violet (RHS 84D) to light blue violet (RHS 85D), acute apex

COROLLA TUBE: outer side light violet (RHS 84D) to light blue violet (RHS 85D)

ANTHER: yellow brown

Origin and Breeding: 'Diamond Lake' originated from a cross conducted by the breeder, Hans Hansen, in the summer of 2011 in Zeeland, Michigan, USA. The cross was made between the proprietary hybrid designated H9-310, as the female parent, and the proprietary hybrid designated 'H9-57', as the male parent. Initial selections were made in the spring of 2014 based on plant habit and foliage colour. The first propagation by shoot tip tissue culture began in the summer of 2014.

Tests and Trials: The comparative trial for 'Diamond Lake' was conducted outdoors under a galvanized steel structure covered with black mesh fabric, during the summer of 2021, at Variety Rights Management in Oxford Station, Ontario. The trial included 20 plants each of the candidate and reference varieties. Plants were individually potted in 22 cm diameter pots spaced 45 cm apart. Observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety. All colour determinations were made using 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Diamond Lake'

	'Diamond Lake'	'Blue Angel'*	'Neptune'*
<i>Plant foliage height (cm)</i>			
mean	32.5	23.2	15.8
std. deviation	3.08	2.68	1.49

<i>Plant width (cm)</i>			
mean	52.2	41.0	24.1
std. deviation	2.93	2.01	1.49
<i>Petiole length (cm)</i>			
mean	26.9	15.1	10.2
std. deviation	1.52	1.34	1.03
<i>Leaf blade length (cm)</i>			
mean	25.0	19.6	15.8
std. deviation	1.30	1.29	1.13
<i>Leaf blade width (cm)</i>			
mean	16.8	10.3	7.1
std. deviation	1.65	1.16	1.10
<i>Inflorescence length (cm)</i>			
mean	51.9	60.9	59.2
std. deviation	2.83	2.69	2.04

*reference varieties



Hosta: 'Diamond Lake' (centre) with reference variety 'Blue Angel' (left) and 'Neptune' (right)

Proposed denomination: 'Etched Glass'
Application number: 18-9681
Application date: 2018/12/21
Applicant: Walters Gardens, Inc., Zeeland, Michigan, United States of America
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Hans A. Hansen, Zeeland, Michigan, United States of America

Variety used for comparison: 'Stained Glass'

Summary: *The petiole of 'Etched Glass' is shorter than that of 'Stained Glass'. The leaf blade of 'Etched Glass' is narrower than that of 'Stained Glass'. The surface area for colour one on the leaf blade of 'Etched Glass' is medium sized whereas it is small for 'Stained Glass'. Colour two on the leaf blade of 'Etched Glass' covers a small surface area, is distributed irregularly and patterned in sectors whereas colour two for 'Stained Glass' covers a large surface area, is distributed in the centre in a solid or nearly solid pattern. The leaf blade of 'Etched Glass' has a third white colour present whereas 'Stained Glass' has none. The inflorescence of 'Etched Glass' is shorter than that of 'Stained Glass'.*

Description:

PLANT: green first scaly leaves

LEAF BLADE: broadest part moderately towards base, broad ovate, cordate base, acute apex, three colours, flat in cross section, medium number of parallel veins, absent or very weak bulging, absent or very weak blistering, absent or weak undulation of margin, absent or weak twisting

LEAF BLADE (COLOUR 1): medium green (RHS N143A-B), medium sized surface area, distributed at marginal zone, solid or nearly solid pattern

LEAF BLADE (COLOUR 2): between light green (RHS N144B) and medium yellow green (RHS 151C/D), small surface area, distributed irregularly, pattern is in sectors

LEAF BLADE (COLOUR 3): white (RHS 155C-155D), small surface area, distributed at centre and irregularly, pattern is in sectors

PETIOLE: inner side "u" shaped in cross section, yellow and medium green, no anthocyanin colouration

INFLORESCENCE: medium number of flowers, erect flower attitude, dark brown green (RHS 146A) bracts

FLOWER: single

OUTER COROLLA LOBE: outer side white (RHS N155D-NN155D), acute apex

COROLLA TUBE: outer side white (RHS N155D-NN155D)

ANTHER: yellow brown

Origin and Breeding: 'Etched Glass' originated as an uninduced sport of the parent variety 'Stained Glass' discovered on July 8, 2013. The new variety was developed by the breeder Hans Hansen in Zeeland, Michigan, USA. Initial selections were made in the summer of 2015 based on plant habit, foliage substance and foliage colour. The first propagation by shoot tip tissue culture began in 2016.

Tests and Trials: The comparative trial for 'Etched Glass' was conducted outdoors under a galvanized steel structure covered with black mesh shade fabric, during the summer of 2021, at Variety Rights Management in Oxford Station, Ontario. The trial included 20 plants each of the candidate and reference variety. Plants were individually potted in 22 cm diameter pots spaced 45 cm apart. Observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety. All colour determinations were made using 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Etched Glass'

	'Etched Glass'	'Stained Glass'*
<i>Petiole length (cm)</i>		
mean	15.8	19.3
std. deviation	1.38	1.89
<i>Leaf blade width (cm)</i>		
mean	17.0	20.0
std. deviation	1.30	1.10

<i>Colour of leaf blade (RHS)</i>		
colour 3	155C-D	N/A
<i>Inflorescence length (cm)</i>		
mean	44.0	47.2
std. deviation	2.29	2.25

*reference variety



Hosta: 'Etched Glass' (left) with reference variety 'Stained Glass' (right)

Proposed denomination: 'Wu-La-La'
Application number: 18-9682
Application date: 2018/12/21
Applicant: Walters Gardens, Inc., Zeeland, Michigan, United States of America
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Hans A. Hansen, Zeeland, Michigan, United States of America

Variety used for comparison: 'Empress Wu'

Summary: *The petiole of 'Wu-La-La' is yellow green whereas that of 'Empress Wu' is light to medium green. The leaf blade of 'Wu-La-La' has a small area of light green, flame patterned, secondary colour at the marginal zone whereas the leaf blade of 'Empress Wu' is only one colour. The anthers of 'Wu-La-La' are yellow brown whereas those of 'Empress Wu' are brown purple.*

Description:

PLANT: green first scaly leaves

LEAF BLADE: broadest part moderately towards base, broad ovate, cordate base, acute apex, flat to moderately concave in cross section, many parallel veins, absent or very weak bulging, absent or weak blistering, absent or weak undulation of margin, absent or weak twisting

LEAF BLADE COLOUR 1: dark green (RHS 136A-B), medium to large surface area, distributed at centre, solid or nearly solid pattern

LEAF BLADE COLOUR 2: light green (RHS N144B) to light yellow green (RHS 150B), small surface area, distributed at marginal zone, flamed pattern

PETIOLE: inner side "u" shaped in cross section, yellow green, no anthocyanin colouration

INFLORESCENCE: medium number of flowers, erect flower attitude, dark brown green to medium brown green (RHS 146B-C) bracts

FLOWER: single

OUTER COROLLA LOBE: outer side light blue pink (RHS 76D), acute apex

COROLLA TUBE: outer side light blue violet (RHS 76D)

ANTHER: yellow brown

Origin and Breeding: ‘Wu-La-La’ originated as an uninduced sport of the parent variety ‘Empress Wu’ discovered on June 24, 2013. The new variety was developed by the breeder Hans Hansen in Zeeland, Michigan, USA. Initial selections were made in the summer of 2015 based on plant habit, growth rate and foliage colour. The first propagation by shoot tip tissue culture began in 2016.

Tests and Trials: The comparative trial for ‘Wu-La-La’ was conducted outdoors under a galvanized steel structure covered with black mesh shade fabric, during the summer of 2021, at Variety Rights Management in Oxford Station, Ontario. The trial included 20 plants each of the candidate and reference variety. Plants were individually potted in 22 cm diameter pots spaced 45 cm apart. Observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety. All colour determinations were made using 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘Wu-La-La’

	‘Wu-La-La’	‘Empress Wu’*
Leaf blade colour (RHS)		
Colour 2	N144B to 150B	N/A

*reference variety



Hosta: ‘Wu-La-La’ (left) with reference variety ‘Empress Wu’ (right)