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

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(54) ***CHRYSANTHEMUM* PLANT NAMED 'SIZZLENESS SALMON'**

(50) Latin Name: ***Chrysanthemum morifolium***
Varietal Denomination: **Sizzleness Salmon**

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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 100 days.

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(51) **Int. Cl.**
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(52) **U.S. Cl.** **Plt./291**
(58) **Field of Classification Search** Plt./287, Plt./291, 292, 293
See application file for complete search history.

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(57) **ABSTRACT**

A *Chrysanthemum* plant named 'Sizzleness Salmon' characterized by its medium size decorative inflorescences with elongated quilled dark salmon ray-florets, with a response time of 52 days.

3 Drawing Sheets

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RELATED CULTIVARS

'Sizzleness Salmon' is related to 'Sizzleness' (U.S. Plant patent application Ser. No. 10/782,856), of which plant it is a color sport.

BACKGROUND OF THE INVENTION

'Sizzleness Salmon' is a product of a breeding and selection program which had the objective of finding color mutants of 'Sizzleness'. The new plant of the present invention comprises a new and distinct cultivar of *chrysanthemum* plant that is a natural occurring sport of a parent *chrysanthemum* named 'Sizzleness'. A comparison with Parent *chrysanthemum* 'Sizzleness' is also made in this application. The new cultivar was discovered as a sport in 2002 by Mark Roland Boeder in a controlled environment (greenhouse) in Rijsenhout, Holland. The first act of asexual reproduction of 'Sizzleness Salmon' was accomplished when vegetative cuttings were from the initial selection in 2002 in Rijsenhout, Holland.

SUMMARY OF THE INVENTION

The present invention is a new and distinct variety of *chrysanthemum* bearing medium sized decorative blooms with elongated quilled dark salmon ray-florets and a green center.

BRIEF DESCRIPTION OF THE DRAWINGS

The present invention of a new and distinct variety of *chrysanthemum* is shown in the accompanying drawings, the color being as nearly true as possible with color photographs of this type.

FIG. **1** shows a plant of the cultivar in full bloom.

FIG. **2** shows the various stages of bloom of the new cultivar.

FIG. **3** shows the foliage of the new cultivar.

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DESCRIPTION OF THE INVENTION

This new variety of *chrysanthemum* is of the botanical classification *Chrysanthemum morifolium* L. The observations and measurements were gathered from plants grown in April/May in a greenhouse in Rijsenhout Holland in a photo-periodic controlled crop under conditions generally used in commercial practice. The greenhouse temperatures during this crop were at day-time between 18° C. and 25° C. and at night 20° C. After a long day period of 14 days the photo-periodic response time in this crop was 52 days. After the long day period to flowering growth retardants were applied 2 to 3 times in an average dose of 2.5 gram/liter water. No tests were done on disease or insect resistance or susceptibility. No tests were done on cold or drought resistance. This new variety produces medium sized blooms with dark salmon ray-florets and blooming on the plant for 5 weeks. This new variety of *chrysanthemum* has been found to retain its distinctive characteristics throughout successive propagations however the phenotype may vary significantly with variations in environment such as light intensity and temperature. To show the phenotype as described 'Sizzleness Salmon' can be planted without assimilation lightning (high pressure sodium lamps) between week 1 and week 35 year under greenhouse conditions in Holland. With assimilation light (minimum level 2500 lux) it can be planted year round under greenhouse conditions in Holland.

From the cultivars known to inventor the most similar existing cultivars in comparison to 'Sizzleness Salmon' is the parent 'Sizzleness' and the sports 'Sizzleness Pink' (U.S. Plant Pat. No. 15,504) and 'Sizzleness Purple' (U.S. Plant patent application Ser. No. 10/979,246). When 'Sizzleness Salmon', 'Sizzleness Pink', 'Sizzleness Purple' and the parent 'Sizzleness' are being compared the following differences and similarities are noticed: The difference of 'Sizzleness' and its sports 'Sizzleness Salmon', 'Sizzleness Pink' and 'Sizzleness Purple' is (1) Color ray florets. The color is for 'Sizzleness' purple and cream, while it is dark salmon for 'Sizzleness Salmon', dark pink for 'Sizzleness Pink' and purple for 'Sizzleness Purple'. For which characteristic 'Sizzleness Salmon' has been selected from the

original 'Sizzleness'. All other characteristics of 'Sizzleness' and 'Sizzleness Salmon' are similar.

The following is a description of the plant and characteristics that distinguish 'Sizzleness Salmon' as a new and distinct variety. The color designations are taken from the plant itself. Accordingly, any discrepancies between the color designations and the colors depicted in the photographs are due to photographic tolerances. The color chart used in this description is: The Royal Horticultural Society Colour Chart, edition 1995.

TABLE 1

Botanical Description of cultivar 'Sizzleness Salmon'

Bud	
Size	Medium, cross-section 0.6 cm, height 0.6 cm
Outside color	Yellow-green 145C
Involucral bracts	2 rows, length 7 mm, width 3 mm
Involucral bracts among disc-florets	Not present
Involucral bracts color	Green 138B
Inflorescence	
Type	Decorative
Height	3 cm
Size	Medium
Fully Expanded	5 cm
Peduncle length	Near the top 7 cm, near the middle 10 cm, near the bottom 15 cm.
Peduncle color	Green 138B
Number of inflorescences per stem	Average of 20
Performance on the plant	5 weeks
Seeds (if crossed)	Produced in small quantities, oval shaped, grey-brown 199A, 2 mm in length.
Fragrance	Typical *chrysanthemum*
Color	
Center of the flower	Immature Yellow-green 145B Mature Yellow-green 154C
Color of the ray-florets	Upper surface Greyed-red 182B Lower surface Greyed-red 182D
Tonality from Distance	A spray mum with dark salmon flowers and a green disc
Color of the upper surface of the ray florets after aging of the plant	Greyed-red 182B
Ray florets	
Texture	Upper and under side smooth
Number	100
Shape	Elongated quilled
Longitudinal axis of majority	Straight
Length of corolla tube	Long; 2 cm
Ray-floret margin	Entire
Ray-floret length	2.5 cm
Ray-floret width	0.2 cm
Ratio length/width	High
Shape of tip	Rounded
Disc florets	
Disc diameter	0.6 cm
Distribution of disc florets	Few, only visible in mature stage of flowering.
Shape	Tubular
Color	Yellow-green 154C
Receptacle shape	Domed raised
Reproductive Organs	
Stamen (present in disc florets only)	Thin
Stamen color	Yellow-green 144 B
Pollen	Produced in small quantity
Pollen color	Yellow-orange 14 A

TABLE 1-continued

Botanical Description of cultivar 'Sizzleness Salmon'

Styles (present in both ray and disc florets)	Thick
Style color	Yellow-green 150C
Style Length	4 mm
Stigma color	Yellow-green 145 D
Stigma Width	1 mm
Ovaries	Enclosed in perianth
Plant	
Form	A spray mum meant for erect culture
Growth habit	Upright
Growth rate	Medium vigor
Height	90 cm
Width	28 cm
Internode length	2–3.5 cm
Spray formation	Cylindrical
Stem Color	Yellow-green 148A with at base streaks of Greyed-red 182C
Stem Strength	Strong
Stem Brittleness	Not brittle
Stem Anthocyanin Coloration	Present
Flowering Response(photo-periodic controlled crop, not natural season)	52 Days
Foliage	
Color immature stage	Upper side Green 141B Under side Green 139C
Color mature stage	Upper side Green 137A Under side Green 138A
Color midvein	Upper side Yellow-green 145C Under side Yellow-green 148C
Size	Medium; length 11 cm, width 5 cm
Quantity (number per single stem)	26–30
Shape	Elliptic
Texture upper side	Fleshy and glabrous
Texture under side	Pubescent
Venation arrangement	Palmate
Shape of the margin	Dentate
Shape of Base of Sinus Between Lateral Lobes	Diverging
Margin of Sinus Between Lateral Lobes	Rounded
Shape of Base	Obtuse to truncate
Apex	Mucronulate
Petiole length	2 cm
Petiole color	Yellow-green 145C

TABLE 2

Differences with the comparison Varieties

	'Sizzleness Salmon'	'Sizzleness Pink'	'Sizzleness Purple'	'Sizzleness'
Color upper side ray-florets	Greyed-red 182B	Red-purple 70B	Red-purple 70A	Purple-violet 80C and Yellow 4D
Color lower side ray-florets	Greyed-red 182D	Red-purple 70D	Red-purple 70C	Purple-violet 80D and Yellow 4D

I claim:

1. A new and distinct variety of *chrysanthemum* plant as described and illustrated.

* * * * *

FIG. 1

FIG. 2

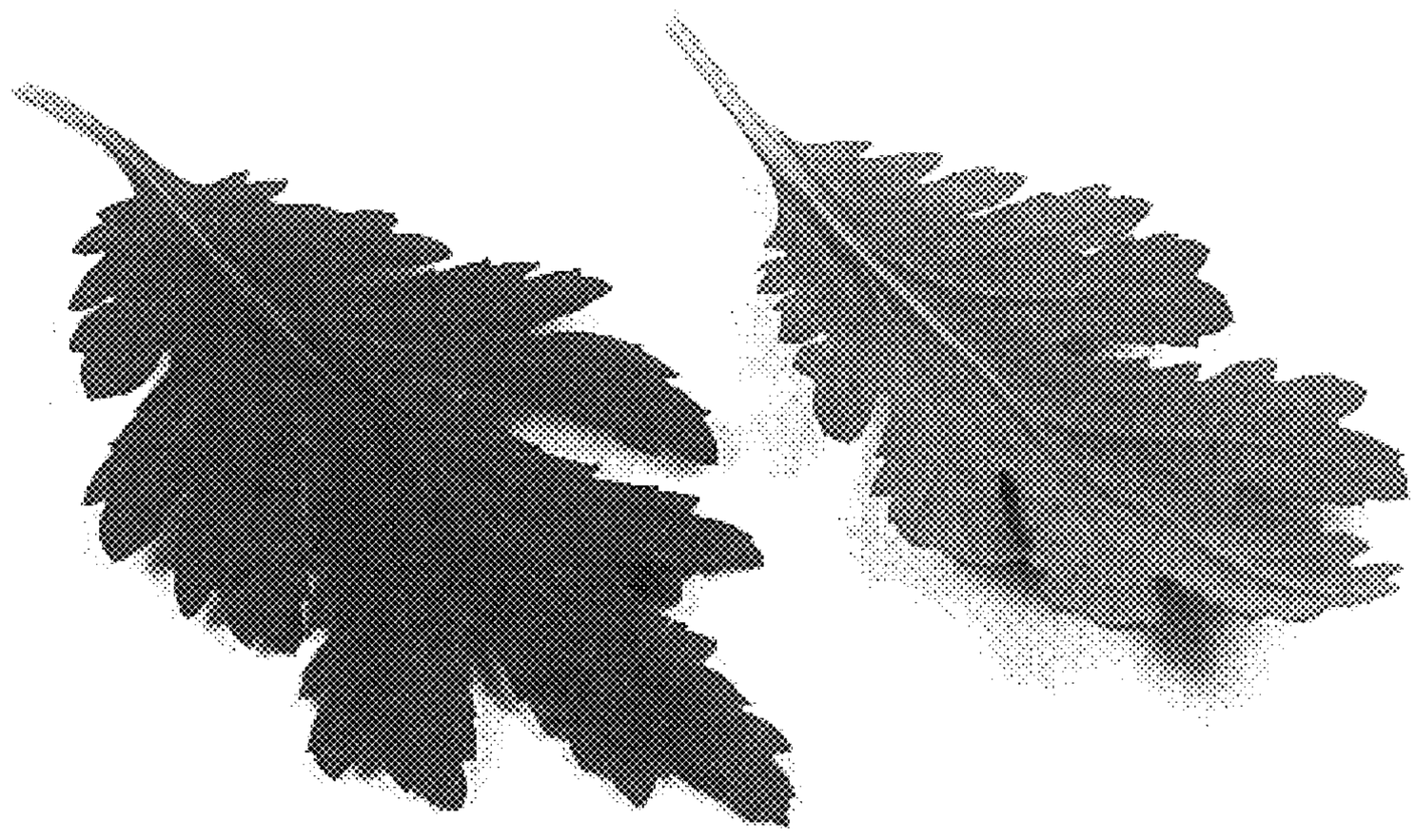

FIG. 3