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

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(54) **CHRYSANTHEMUM PLANT NAMED 'EVEREST 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 0 days.

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(51) **Int. Cl.**[7] **A01H 5/00**
(52) **U.S. Cl.** **Plt./297**
(58) **Field of Search** Plt./297, 286

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(57) **ABSTRACT**

A chrysanthemum plant named 'Everest Salmon' characterized by its medium sized blooms with salmon ray-florets and yellow-green disc florets.

2 Drawing Sheets

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RELATED APPLICATIONS

The present application is related to the following co-pending applications:

Application Ser. No.	Filing Date	Title
09/276,695	March 26, 1999	'Everest Pink'
09/276,633	March 26, 1999	'Everest White'

BACKGROUND OF THE INVENTION

'Everest Salmon' is a product of a breeding and selection program that had the objective of finding color mutants of 'Everest Pink'. The new plant of the present invention comprises a new and distinct cultivar of chrysanthemum plant that is a natural occuring sport of a parent chrysanthemum named 'Everest Pink' (Ser. No. 09/276,695). A comparison with parent chrysanthemum 'Everest Pink' is also made in this application. The new cultivar was discovered as a whole plant mutation in May 1996 by Rob Noodelijk in a controlled environment (greenhouse) in Rijsenhout, Holland. The first act of asexual reproduction of 'Everest Salmon' was accomplished when vegetative cuttings were taken from the initial selection in September 1996 in Rijsenhout, Holland.

SUMMARY OF THE INVENTION

The present invention is a new and distinct variety of chrysanthemum bearing medium sized blooms with salmon ray-florets and yellow-green disc florets.

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 various stages of foliage of the new cultivar.

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DESCRIPTION OF THE INVENTION

This new variety of chrysanthemum is of the botanical classification *Dendranthema grandiflora*. The observations and measurements were gathered from plants grown in a greenhouse in Rijsenhout, Holland in a photo-periodic controlled crop under conditions generally used in commercial practice. The photo-periodic response time in this crop was 48 days after an average of eight long days. This new variety produces medium sized blooms with salmon ray-florets and yellow-green disc-florets 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 'Everest Salmon' can be planted without assimilation lightning between week 50 and week 40 of the next year under greenhouse conditions in Holland. With assimilation lightning (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 'Everest Salmon' are 'Everest Pink' and 'Everest White'. When 'Everest Pink', 'Everest Salmon' and 'Everest White' are being compared the following differences and similarities are noticed: The difference of 'Everest Pink', 'Everest Salmon' and 'Everest White' is the color of the ray-florets for which characteristics 'Everest Salmon' has been selected out of 'Everest Pink'. The color of the ray-florets of 'Everest Salmon' is salmon, the color of the ray-florets of 'Everest Pink' is pale pink, the color of the ray-florets of 'Everest White' is white. All other characteristics of 'Everest Pink' and 'Everest Salmon' are similar.

The following is a description of the plant and characteristics that distinguish 'Everest 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.

Botanical Description of CULTIVAR 'Everest Salmon'		'Everest Pink'	'Everest White'
Bud			
Size	Small Cross-section ± 0.9 cm height ± 0.7 cm		
Outside Color	Greyed-Orange 173 D	Purple 75 D	Yellow-Green 154 D
Involucral bracts	2 rows, length 7 mm., width 2 mm.		
Involucral bracts among disc-florets	Not present		
Involucral bracts color	Green 138 B		
Bloom			
Type	Daisy		
Height	Flat		
Size	Medium		
Fully Expanded	6.0–6.5 cm		
Borne (number of blooms per branch)	Approx. 5 blooms per branch		
Length of lateral branch	From top to bottom approx. 11.0 cm		
Lateral branch, attachment	Medium		
Branching	Good with 5 breaks after pinching		
Performance on the plant	5 weeks		
Seeds	Not produced		
Fragrance	Typical chrysanthemum		
Color			
Center of the flower (disc-florets)	Immature Yellow-green 144 B mature Yellow-green 151 A		
Color of upper surface of the majority of the ray-florets	Orange-Red 35 D and yellow 10 B at the base	Purple 75 B	White 155 A
Color of the lower surface of the majority of the ray-florets	Greyed-Orange 165 D	Purple 75 C	White 155 A
Tonality from Distance	A pot mum with salmon daisy flowers and a yellow-green disc		
Discoloration to color	Red 36 C	To Purple 75 C	To White 155 D
Ray florets			
Texture	Upper and under side smooth		
Number	16–20 (1 row)		
Cross-section	Concave		
Longitudinal axis of majority	Reflexing		
Margin	Entire		
Length of corolla tube	Short		
Ray floret length	2.6–2.8 cm		
Ray floret width	0.8 cm		
Ratio length/width	Medium		
Shape of tip	Mamillate		
Disc florets			
Disc diameter	Small (± 1.2 cm)		
Distribution of disc florets	Numerous and clearly visible at all stages of flower head development		
Type	Tubular		
Color	Yellow-green 144 B		
Receptacle shape	Conical raised		
Reproductive Organs			
Stamen (present in disc florets	Yellow-green 144 A thin, 2 mm in length		
Pollen	None		
Styles (present in both ray and disc	Yellow-green 144 A thin		
Style Length	4 mm		
Stigmas	Yellow-green 144 A		
Stigma Width	1 mm		
Ovaries	Enclosed in calyx		
Plant			
Form	A pot mum meant for indoor use		

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Botanical Description of CULTIVAR 'Everest Salmon'		'Everest Pink'	'Everest White'
Growth habit	Upright		
Growth rate	Moderate		
Height	18.0–21.0 cm		
Width	Medium, 20.0–22.0 cm		
Stem Color	Yellow-green 146 A		
Stem Strength	Strong		
Stem Brittleness	Present		
Stem Anthocyanin Coloration	Present		
Flowering Response (photo-periodic controlled crop, no natural growing)	48 days		
Foliage			
Color	Upper side yellow-green 147 A under side green 146 A		
Size	Medium, length 6.5 cm, width 5.0 cm		
Quantity (number per lateral branch)	6–7		
Shape	Egg-shaped		
Texture upper side	Fleshly		
Texture under side	Smooth		
Ribs and veins upper side	Ribs and veins well developed		
Ribs and veins under side	Ribs and veins well developed		
Edge	Crenated		
Shape of Base of Sinus Between Lateral Lobes	Round		
Margin of Sinus Between Lateral Lobes	Converging		
Shape of Base	Cordate		
Apex	Mucronate		
Age	56 days		

I claim:

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

* * * * *

FIG. 1

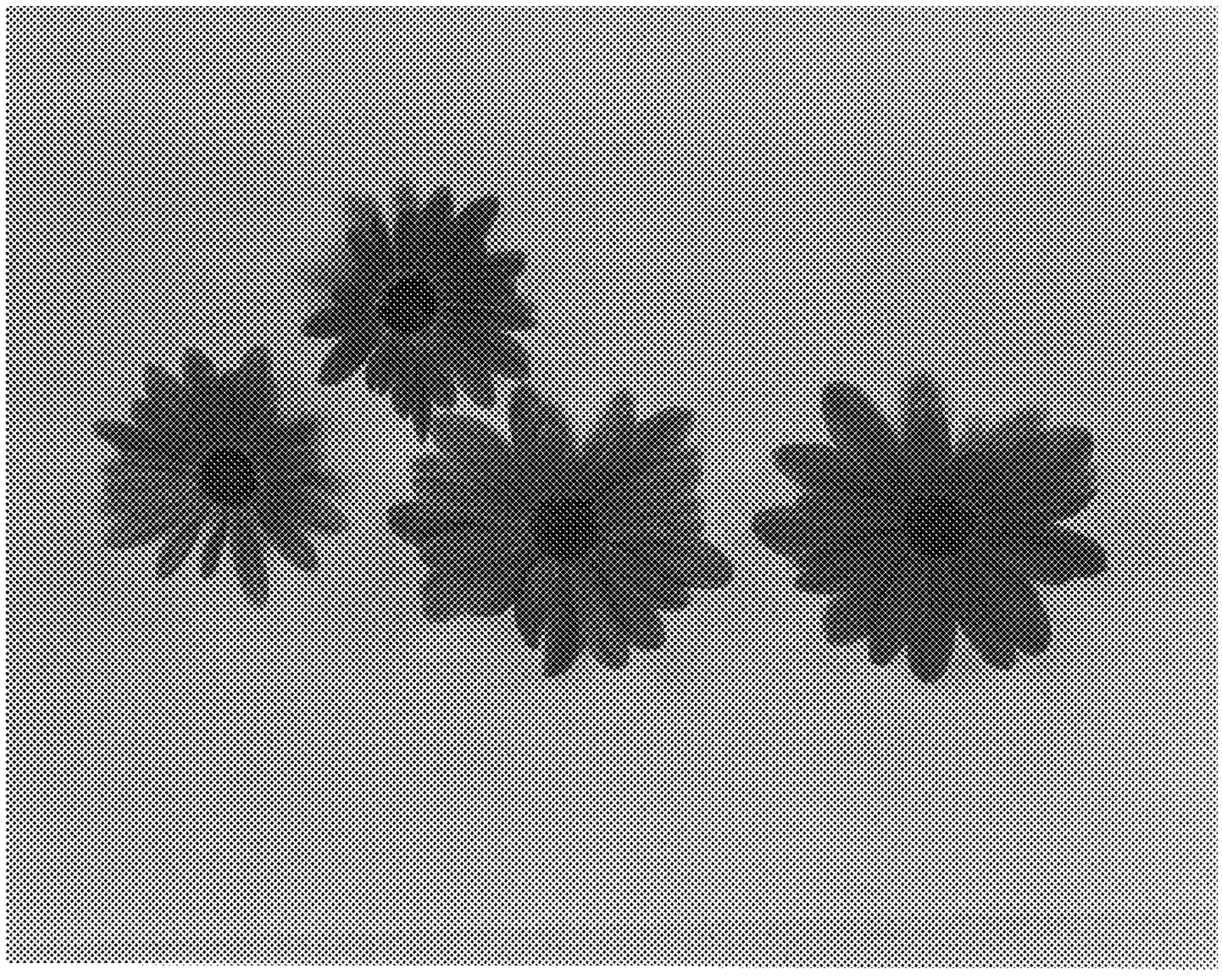

FIG. 2

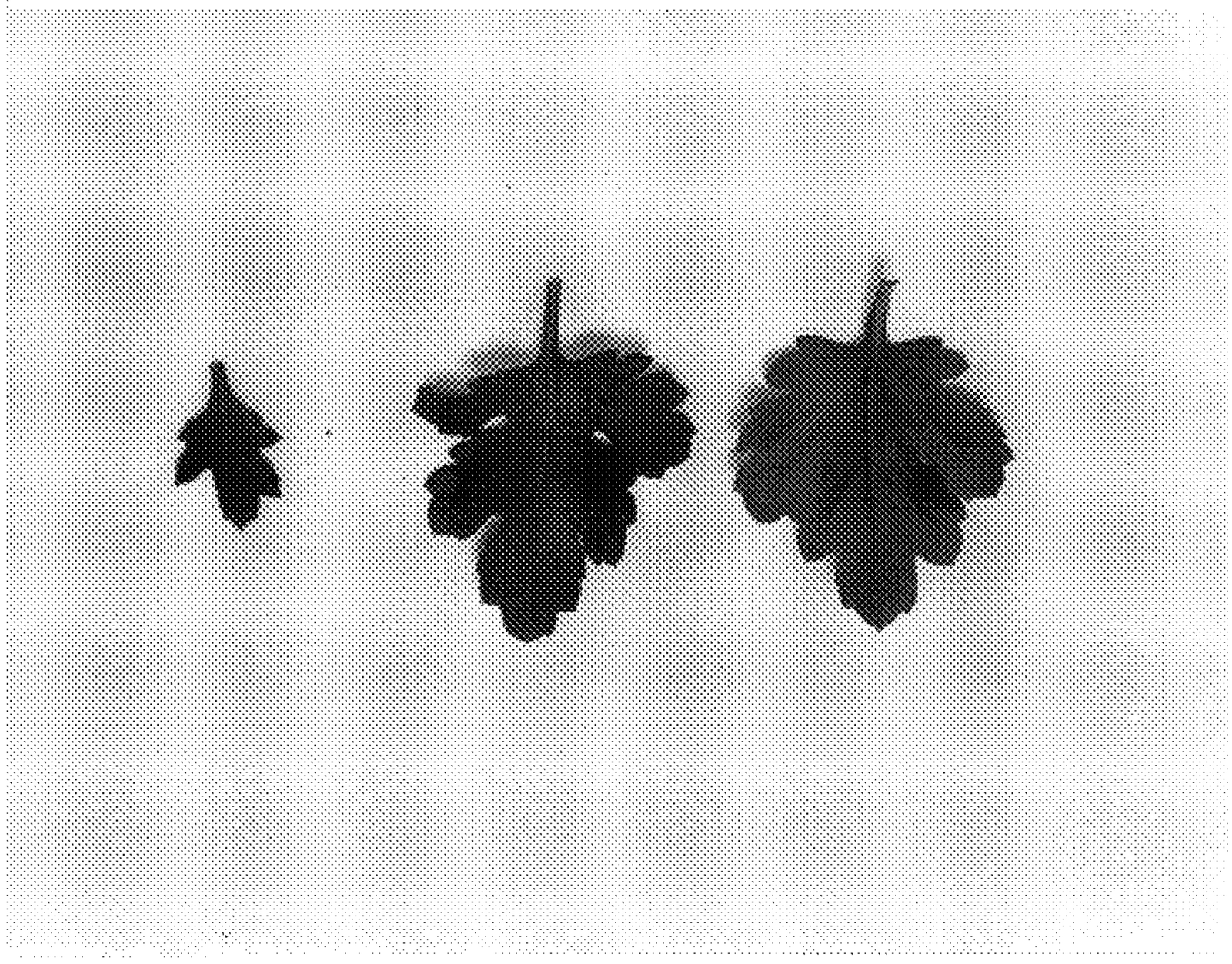

FIG. 3