



US00PP09750P

United States Patent [19]**Carmi**[11] **Patent Number:** **Plant 9,750**[45] **Date of Patent:** **Dec. 17, 1996**[54] **HYBRID TEA ROSE PLANT NAMED
'SEEMORE'**P.P. 8,290 7/1993 Carmel Plt./20
P.P. 8,620 3/1994 Carmel Plt./20[75] Inventor: **Carmel Carmi**, Haydgev, Israel*Primary Examiner*—Howard J. Locker[73] Assignee: **Yoval Agricultural Products Ltd.**,
Israel*Attorney, Agent, or Firm*—Pollock, Vande Sande & Priddy[21] Appl. No.: **322,487**[57] **ABSTRACT**[22] Filed: **Oct. 14, 1994**

A new and distinct rose plant of the Hybrid Tea class named 'Seemore'. The plant is characterized by vigorous growth, non-fragrant flowers with purple red petals (R.H.S. 57 A-58 B on the inner side and R.H.S. 55D on the outer side), early and prolific flower production, and fast and good propagating features.

[51] **Int. Cl.⁶** **A01H 5/00**[52] **U.S. Cl.** **Plt./11**[58] **Field of Search** **Plt./11, 20, 21**[56] **References Cited****U.S. PATENT DOCUMENTS**

P.P. 4,391 3/1979 Delbard Plt./20

3 Drawing Sheets**1****2****CROSS REFERENCE TO RELATED PATENTS**

The new and distinct cultivar described and illustrated herein is related to the cultivar 'Odem', which is the subject of U.S. Plant Pat. No. 8,620, issued Mar. 1, 1994.

same conditions and under the same roof. The following observations were made between the present invention and a plant of the parent cultivar, 'Odem'.

FIELD OF THE INVENTION

The present invention is concerned with a new variety of a Hybrid Tea rose discovered by me and being a mutation of 'Odem', which is the subject of U.S. Plant Pat. No. 8,620 which is a mutation of 'Carola', which is the subject of U.S. Plant Pat. No. 8,290, issued Jul. 6, 1993, which in turn is a mutation of 'Deladel' ('Mme. G. Delbard'), which is the subject of U.S. Plant Pat. No. 4,391, issued Jul. 6, 1993.

	'ODEM'	'SEEMORE'
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	Young shoot:	
	hue of anthocyanin coloration	purple
	Prickle(s):	red-brown
10	shape: upper side	concave
	Petiole:	concave to straight
	rachis	smooth
	Foliage:	hairy
15	color	RHS 145B yellow-green
	mature: color of lower side	red-green
	Flowering stem:	
	length	40-60 mm
20	Flower:	40-70 mm
	petals: average number	40-43
	life on the plant	43-58
	Petal:	12-18 days
25	color: upper side	RHS 46AB dark red
	lower side	Currant red
		RHS 52A deep red Crimson
		RHS 57A/58B purple red
		RHS 55D whitish-purple very light purple
30	Stamen:	
	predominant color of filament	orange-red
	Stigma:	yellow-orange
	position as compared with anthers	same level
35	color	above
		RHS 155C white
		RHS 4D light yellow
	Pollen color	yellow-red
	Filament:	light yellow
40	color	pink
		yellow

BACKGROUND OF THE INVENTION

This mutation was discovered as a branch on an 'Odem' plant in 1993 on a cultivated area in a farm, located in Moshav Hayogev, located in Izra'el Valley, Israel, with an average night temperature of 25° C. in summer and 0°-5° C. in winter.

The branch was vegetatively propagated from cuttings by self-rooting. From these cuttings plants were grown in a green house where they were further vegetatively propagated from cuttings by self-rooting.

The resulting plants were found to be stable in their botanical characteristics, as are described below and as illustrated by typical plants parts in the attached photographs.

Asexual propagation of this new variety was performed at Moshav Ha-yogev, Israel.

The presently claimed cultivar was a natural mutation of the cultivar 'Odem'.

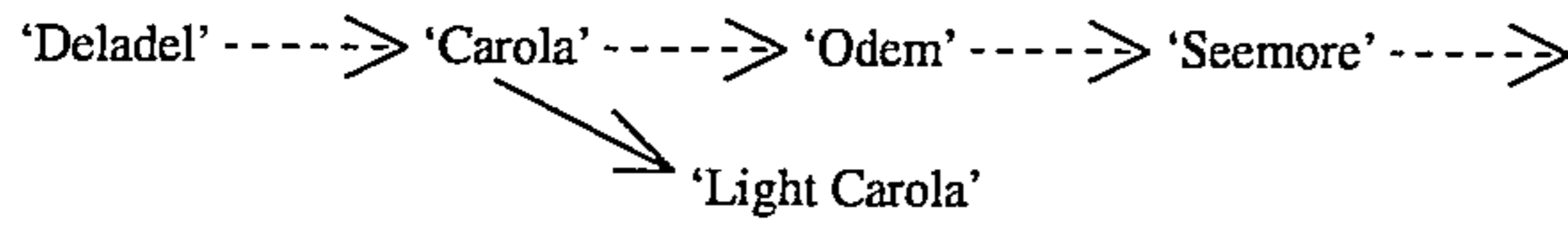
All color definitions in this application are taken from The Royal Horticultural Society of London, England, (R.H.S.) Colour Chart.

The data in the following table of comparison is based on observations made in the greenhouse at Moshav Ha'yogev, Israel, where plants were grown side-by-side, under the

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The relationship between the presently claimed cultivar to other related cultivars is as follows:



The following table of comparison present the differences between the cultivars in the family.

U.S. Plant Pat./ Application	'DELADEL' 4,391	'CAROLA' 8,290	'ODEM' 8,620
<u>Plant:</u>			
growth habit	upright	upright	semi-upright
<u>Stem:</u>			
color:	green-brown corky	corky	green-brown
<u>Young shoot:</u>			
anthocyanin coloration	no data	strong	medium to strong
hue of anthocyanin	no data	red-brown	purple
<u>Prickles:</u>			
<u>size:</u>			
length (mm)	no data	5	5
height (mm)	no data	6	6
shape:	long base	concave	concave
upper side	hooked downward	to straight	
<u>Short prickles:</u>			
quantity per 10 cm at center of stem	many	58	none
<u>Long prickles:</u>			
quantity per 10 cm at center of stem	many	8	7
<u>Leaf:</u>			
<u>size:</u>			
length (mm)	no data	140-170	120-150
width (mm)	no data	110-150	75-115
green color	no data	medium to dark	medium
glossiness of upper side	no data	absent to very weak	weak
<u>Leaflet:</u>			
cross section	oval pointed, often curved with convex upper surface	slightly convex	straight
undulation of margin	no data	absent to very weak	weak to medium
<u>Terminal leaflet:</u>			
width: (mm)	no data	ca. 35	30-43
blade:	no data	ca. 60	50-65
length (mm)			
<u>Petiole:</u>			
length (mm)	no data	ca. 20	15-20
rachis	color, green	hairy	smooth
<u>Foliage:</u>			
young: color of upper side	light brown	RHS 144B yellow-green	RHS 145B yellow-green

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mature: color of lower side	green	red-green	red-green
<u>Flowering stem:</u>			
length (cm)	70-90	70-80	40-60
color	no data	medium green	green
<u>Flower pedicel:</u>			
number of hairs or prickles	no data	few	very few to few
<u>Flower bud:</u>			
longitudinal section	pointed ovoid	circular	ovoid
<u>Flower:</u>			
diameter (mm)	average 102-114	ca. 110	ca. 80
bloom height (mm)	no data	large 50-70	medium 30-50
fading with age	none to end of third day	none	slight fading begins after 7-10 days
<u>view from above:</u>			
franchise	rounded	rounded to star shaped	rounded
franchise	slight not sweet nor spicy	none	none
<u>number of petals:</u>			
life (days):	30-35	33-40	40-43
<u>on the plant in a vase:</u>			
Sepal:	no data	20-30	15-20
length (mm)	no data	12-15	15-18
<u>extensions:</u>			
Petal:	no data	40-55	30-43
size:	slight	strong	medium
<u>size:</u>			
length (mm)	no data	50-60	37-45
width (mm)	no data	55-65	39-59
upper side: color	Blood red	RHS 53A dark red	RHS 46AB dark red
color			Currant red small
<u>basal spot at base of petal:</u>			
size	very small	medium	small
color	yellow	RHS 155D white	RHS 3B yellow
lower side: color	Blood red	RHS 53C dark red	RHS 52A deep red
<u>reflexing of margin:</u>			
undulation of margin	strong	strong	medium
undulation of margin	no data	weak	very weak to weak
<u>Stamen:</u>			
predominant color of filament	yellow	purple	orange-red
<u>Style:</u>			
hairiness of upper half	no data	medium	absent
<u>Stigma:</u>			
position as compared with anthers	no data	above	same level
<u>color:</u>			
color	Amber yellow	RHS 4C light yellow	RHS 155C white
<u>Seed vessel:</u>			
size:	no data	medium	small
length (mm)	no data	11	8
diameter (mm)	no data	12	11
shape of	no data	pitcher	funnel

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5			6		
longitudinal section		shaped	shaped	lower side	
Pollen:				Flowering stem:	
color	Gold yellow	red-yellow	yellow-red	5 length (cm)	60-80
Anthers:				color	green
color	yellow	red	yellow	Flower pedicel:	
Filament:				number of hairs or prickles	few
color	yellow-red	yellow-red	pink margin: orange	10 Flower bud:	very few to few
U.S. Plant Pat./ Application	'LIGHT CAROLA' 08/323,076	'SEEMORE' 08/322,487		longitudinal section	circular
Plant:				Flower:	ovoid
growth habit	upright	semi-upright		15 diameter (mm)	ca. 100
Stem:				bloom height (mm)	large 50-70
color: mature	green-brown, corky	green-brown		fading with age	none
Young shoot:				view from above	rounded to star shaped
anthocyanin coloration	strong	medium to strong		20 fragrance	none
hue of anthocyanin	red-brown	red-brown		number of petals	28-39
Prickles:				life (days):	43-58
size:				25 on the plant in a vase	20-30
length (mm)	4.5	5		Sepal:	12-15
height (mm)	5.5	6		length (mm)	35-48
shape:	straight	concave to straight		extensions	strong
upper side				Petal:	
Short prickles:				30 size:	
quantity per 10 cm at center of stem	59	none		length (mm)	40-60
Long prickles:				width (mm)	40-50
quantity per 10 cm at center of stem	9	8		upper side:	RHS
Leaf:				color	47A/57B
size:				basal spot at base of petal: size	red
length (mm)	140-160	120-150		color	medium
width (mm)	100-130	75-115		40 lower side:	RHS 155A
green color	medium to dark	medium		color	white
glossiness of upper side	absent to very weak	weak		45 reflexing of margin	RHS 52A
Leaflet:				undulation of margin	red
cross section	slightly convex	straight		Stamen:	strong
undulation of margin	absent to very weak	weak to medium		predominant color of filament	purple
Terminal leaflet:				50 Style:	yellow-orange
width: (mm)	ca. 33-38	30-43		hairiness of upper half	medium
blade:	ca. 60	50-65		Stigma:	absent
length (mm)				55 position as compared with anthers	above
Petiole:				color	above
length (mm)	ca. 20-25	15-20		color	RHS 4C
rachis	smooth	hairy		Seed vessel:	light yellow
Foliage:				60 size:	medium
young: color of upper side	RHS 141B light green	RHS 141B light green		length (mm)	11
mature: color of	green	green		diameter (mm)	12
				shape of longitudinal section	pitcher shaped
				65	small
					8
					7
					funnel shaped
					shaped

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Pollen:		
color	red-yellow	light yellow
Anthers:		
color	red	light yellow
Filament:		
color	yellow-red	yellow

SUMMARY OF THE INVENTION

The present invention provides a Hybrid Tea rose variety which includes the following characteristics which distinguish the new variety from the cultivar 'Odem', to which it is related, and for which the following differences have been noted:

Young shoot: Hue of anthocyanin coloration.
 Prickles: Shape upper.
 Petiole: Rachis.
 Foliage: Color.
 Flower stem: Length.
 Flower: Number of petals, life on the plant.
 Petal: Color.
 Stamen: Predominant color of filament.
 Stigma: Position as compared with anthers, color.
 Pollen: Color.
 Filament: Color.

BRIEF DESCRIPTION OF THE DRAWINGS

Sheet 1 represents a typical specimen of the present invention, illustrating a flower bud at picking stage, a part of the stem, leaflets, and flowers at various opening stages;

Sheet 2 represents a side-by-side comparison of the flower size, bud size and color of petal between a typical specimen of the present invention, 'Seemore' (on the left) and the parent variety, 'Odem' (on the right); and

Sheet 3 represents another side-by-side comparison of various flower parts between a typical specimen of the present invention, 'Seemore' (on the left) and the parent variety, 'Odem' (on the right).

The colors in the drawings are as true as is reasonably possible in an illustration, depicting green and red colors. The plants illustrated in Sheets 2 and 3 were grown under exactly the same conditions, in a greenhouse, at Moshav Ha'yogev, each on its own roots, and being visibly healthy.

BOTANICAL DESCRIPTION

The following observations were made in Moshav Ha'yogev, Israel in 1993 in a greenhouse:

Plant:

Form.—Bush.
Growth habit.—Semi-upright.
Height (cm).—150–200.
Spread (cm).—Ca. 80.

Wood:

Color.—Mature: Light brown.
Bark.—Color: young: green. mature: light brown.

Stem:

Color.—Young: R.H.S. 146 B yellow green. Mature: R.H.S. 143 A green.

Young shoot:

Anthocyanin coloration.—Medium to strong.
Hue of anthocyanin coloration.—Red-brown.

Prickle(s): present.

Size.—Length (mm): ca. 5. Height (mm): ca. 6.

Shape.—Upper side: concave to straight. Lower side: concave.

Color.—Young: R.H.S. 176 A grey orange. Mature: R.H.S. 173 A grey orange.

Short prickles:

Quantity.—Few.

Long prickles:

Quantity per 10 cm at center of stem.—Few (8).

Leaf:

Size.—Length (mm): 120–150. Width (mm): 75–115.

Green color.—Medium.

Glossiness of upper side.—Weak.

Number of leaflets in the compound leaf.—3, 5, or 7.

Leaflet:

Cross section.—Straight.

Undulation of margin.—Weak to medium.

Margin.—Serrated.

Terminal leaflet:

Length of blade (mm).—50–65.

Maximum width (mm).—30–43.

Shape of base.—Rounded.

Petiole:

Length (mm).—15–20.

Rachis.—Straight, flat, hairy.

Color.—R.H.S. 143 A/144 A green.

Foliage:

Young.—Color: upper side: center: R.H.S. 152 A yellow green. rims: R.H.S. 166 AB grey orange. lower side: R.H.S. 176 AB grey orange.

Mature.—Color upper side: R.H.S. 137 A green. lower side: R.H.S. 137 C/138 A green.

Stipule: Stitched, split tip.

Bloom:

Borne.—Multiply/in a cluster.

Flowering shoot:

Number of flowers.—Few (3–5).

Flowering habit: Continuous.

Flowering stem:

Length (cm).—40–70.

Color.—Light green.

Flowering pedicel:

Number of hairs or prickles.—Very few to few.

Flower bud:

Longitudinal section.—Ovoid.

Size.—Medium (30–50 mm).

Flower:

Type.—Double.

Diameter (mm).—Ca. 80.

Fragrance.—None.

View from above.—Rounded.

Side view.—Upper side: flattened-convex. Lower side: flat.

Number of petals.—43–58.

Life.—On the plant 17–21 days. In a vase: 12–15 days.

Fading with age.—Begins after 7–10 days.

60 Sepal:

Length (mm).—30–43.

Extensions.—Medium.

Color.—Upper side: R.H.S. 143 B/144 C green-yellow green. Lower side: R.H.S. 144 A yellow green.

65 Petal:

Size.—Length (mm): 37–45. Width (mm): 39–49.

Shape.—Rounded.

Upper side.—Color: middle zone: R.H.S. 57A/588 purple red. marginal zone: R.H.S. 57A/58B purple red. Basal spot: present. Basal spot: size: small. color: R.H.S. 3B yellow.

Lower side.—Color: middle zone: R.H.S. 55D whitish-purple. marginal zone: R.H.S. 55D whitish-purple. Basal spot: present. Basal spot: color: R.H.S. 3D light yellow.

Reflexing of margin.—Medium.

Undulation of margin.—Very weak to weak.

Stamen:

Predominant color of filament.—Yellow-orange.

Style:

Length.—Long.

Predominant color.—Purple.

Hairiness of upper half.—Absent.

Stigma:

Position as compared with anthers.—Above.

Color.—R.H.S. 4D light yellow.

Seed vessel:

Size.—Small.

Length (mm).—Ca. 8.

Diameter (mm).—Ca. 7.

Shape of longitudinal section.—Funnel shaped.

Color.—Green.

Description.—Long, hairy.

Pollen: Light yellow.

Anthers:

Color.—Light yellow.

Quantity.—Many.

Arrangement.—Peripheral.

Filament:

Color.—Yellow.

Description.—Folded, flat.

Time from planting to beginning of flowering: 3–4 months.

Self-rooting: Very good.

The cultivar is intended as and is suitable as a greenhouse rose. The cultivar bears blooms multiply. Blooms may be borne in a cluster.

When reference is made herein to "Number of flowers few," it is understood that such refers to 3, 5, or 7 flowers per cluster (i.e., the flowers that are left on the flowering shoot after the other flowers were pruned off). In addition, the term "fast" represents: within one month from insertion (of the cutting into the bedding) to a commercial plant. The term "good" represents about 60–70% success in propagation.

I claim:

1. A new and distinct rose plant of the Hybrid Tea class named 'Seemore' as shown and described; said plant being characterized by vigorous growth, non-fragrant flowers with purple red petals (R.H.S. 57 A-58 B on the inner side and R.H.S. 55D on the outer side), early and prolific flower production, and fast and good propagating features.

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