

[54] GRAPEVINE, "FLAMED GLOBE"  
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Delano, Calif. 93216  
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[52] U.S. Cl. .... Plt./47  
[58] Field of Search ..... Plt./47

Primary Examiner—Robert E. Bagwill  
Attorney, Agent, or Firm—Worrel & Worrel

[57] ABSTRACT  
The grapevine particularly characterized by its produc-  
tion of berries which are generally similar to those pro-  
duced by the Emperor Grapevine (unpatented) but  
which is characterized as to novelty by producing  
grapes which are mature for commercial harvesting  
approximately September 1 through September 15  
under the ecological conditions prevailing in the San  
Joaquin Valley of Central California.

1 Drawing Sheet

1

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct  
variety of grapevine to be known as the "Flamed  
Globe", and more particularly to a grapevine which is  
somewhat similar in physical characteristics to the Em-  
peror Grapevine (unpatented) but from which it is dis-  
tinguished by producing grapes which are ripe for com-  
mercial harvesting approximately from September 1  
through September 15 at Delano, Calif. which is three  
to four weeks earlier than the Emperor Grapevine and  
which produces bunches of grapes having sizes, weights  
and color which is somewhat different than the Em-  
peror Grapevine.

From a commercial standpoint, the relative times of  
ripening of various varieties of grapevines or other  
fruits are obviously extremely important. It has long  
been recognized as desirable to provide grapevines that  
bear fruit earlier than varieties that it most nearly resem-  
bles whereby the fruit can be brought to market when  
competition is at a minimum. In addition, if the ripening  
periods of various grapes can be spread over a longer  
period of time, savings and increased efficiency can be  
attained because the capital which is generally required  
to harvest and then transport the grapes which are  
harvested within a relatively short ripening period can  
be spread over a longer period of time resulting in lower  
costs of the final product and increasing the uniformity  
of production.

In a continuing effort to upgrade the quality of his  
grapevine, the applicant is constantly on the alert to  
locate any new varieties that may appear as a conse-  
quence of the random cross-pollination of grapevine  
having known desirable traits. The applicant, in this  
regard discovered within the cultivated area of his vine-  
yard located at Avenue 16 and Road 184, east of the  
Kern-Friant Canal in Delano, Calif., in 1976 a randomly  
cross-pollinated grapevine of unknown parentage.

ORIGIN AND ASEXUAL REPRODUCTION OF  
THE NEW VARIETY

The new variety of grapevine was discovered by the  
inventor, in 1976, in his commercial vineyard located at  
Avenue 16 and Road 184 east of the Kern-Friant Canal  
in a test block of grapevines purchased from a previous  
owner. The vineyard is located in Delano, Calif. in the  
County of Kern.

The new variety of grapevine was discovered among  
a multiplicity of randomly cross-pollinated grapevines

2

of unknown parentage. The new variety was asexually  
reproduced in 1979 by the inventor by removing soft-  
wood cuttings from the original grapevine and thereaf-  
ter grafting them into Calmeria grapevines (unpatented)  
which were then located at the inventor's vineyard  
which is located at Avenue 16 and Road 176 near Del-  
ano, Calif. The grapevines produced from these soft-  
wood cuttings have been continuously observed by the  
inventor and have proven to be identical in characteris-  
tics with respect to those of the original grapevine.

SUMMARY OF THE NEW VARIETY

The new variety of grapevine is generally character-  
ized by its bearing a reddish brown, substantially ob-  
ovoid shaped berry that somewhat remotely resembles  
the variety Emperor (unpatented), but which matures  
several weeks earlier than the Emperor Grapevine and  
which bears fruit which ripens for commercial harvest-  
ing approximately September 1 through September 15,  
under the ecological conditions prevailing in the San  
Joaquin Valley of Central California. The new variety  
of grapevine is to be known as the "Flamed Globe".

BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying drawing is a color photograph  
displaying two bunches of mature grapes of the new  
variety together with representative leaves showing  
their dorsal and ventral coloration, and several grapes  
of the subject variety halved in the axial plane and trans-  
verse to the axial plane to illustrate the flesh coloration  
thereof.

DETAILED DESCRIPTION

Referring more particularly to the pomological de-  
tails of this new and distinct variety of grapevine the  
following has been observed under the ecological con-  
ditions prevailing at the designated vineyard in Delano,  
Calif. The color code identifications are by reference to  
the Inter-Society Color Council—National Bureau of  
Standards; common descriptive color names are also  
used occasionally.

VINE

Generally:  
Size.—Large, as controlled by pruning techniques.  
Growth.—Vigorous.



*Productivity*.—Heavy; regular; a typical young vine produces 50 clusters of grapes per vine.

Canes:

*Generally*.—Stout.

*Joints*.—Spacing — average, approximately 3–4 5 inches, (76.2 through 101.6 mm.).

*Tendrils*.—Thickness — average. Length — medium. Numbers — average. Size — medium.

*Color*.—Light green, (120 m. Y G.).

Flowers:

*Numbers*.—Abundant.

*Date of bloom*.—Generally — 2 weeks; approximately May 1 to 15 at Delano, Calif.

*Blossom color*.—Yellowish, the color of the blossom is not distinctive. 15

*Reproductive organs*.—Stamens — size — medium. Filaments — size — average. Pollen production — normal.

*Peduncle*.—Size — average, approximately 8 20 inches in length, (203.2 mm.).

LEAVES

Size:

*Generally*.—Average in overall appearance.

*Numbers*.—Average.

*Texture*.—Dorsal surface — glabrous.

*Form*.—Cuneiform.

*Terminal body*.—Acute.

*Petiole sinus*.—Form — sagitate.

*Petiole sinus*.—Depth — deep.

*Lateral sinus*.—Generally — average in depth, although some leaves may occasionally have a lateral sinus which is shallow or very shallow in depth. 35

*Lateral sinus*.—Width — average.

*Marginal form*.—Generally — palmately lobed with teeth of average width and depth. Teeth — form — generally serrate. 40

*Leaf arrangement*.—Generally alternate.

*Leaf venation*.—Generally — net, palmate.

*Color — dorsal surface — mature leaves*.—Dark green, (126. d 01 G).

*Color — ventral surface — mature leaves*.—Light green, (118. deep Y G). 45

*Color — petiole — mature leaves*.—Green, (119. 1. Y G).

*Color — dorsal surface — young leaves*.—Light green (120 m. Y G). 50

*Color — ventral surface — young leaves*.—Light green, (120 m. Y G).

*Color — petiole — young leaves*.—Variable; green and occasionally red, (39, gy. r O). 55

FRUIT

Maturity when described: Ripe for commercial harvesting — September 1 through September 15 under the ecological conditions prevailing in the San Joaquin Valley of Central California.

Keeping quality: Noteworthy.

Shipping quality: Excellent.

Eating quality: Excellent.

10 Cluster:

*Size*.—Average.

*Width*.—Medium.

*Shape*.—Oblong.

Clusters ripen: Evenly.

15 Berry:

*Size*.—Generally — large.

*Diameter*.—Transverse to axial plane — approximately  $\frac{7}{8}$  of an inch, (22.225 mm.).

*Axial diameter*.—Approximately 1 inch, (25.4 mm.).

*Shape*.—Generally — obovoid.

*Color*.—A reddish brown, (43. m. Br.).

Skin:

*Generally*.—Tight.

25 Texture: Hard.

Flesh:

*Color*.—Translucent, although occasionally mature berries display the same color as the skin.

Seeds:

30 *Generally*.—Present.

*Number of seeds per berry*.—Generally — two.

Use: Fresh market.

Although the new variety of grapevine possesses described characteristics as a result of the growing conditions prevailing in the San Joaquin Valley of Central California, it is to be understood that variations of the usual magnitude incident to growing conditions, fertilization, pruning and pest control are to be expected.

40 Having thus described and illustrated my new variety of grapevine, I claim:

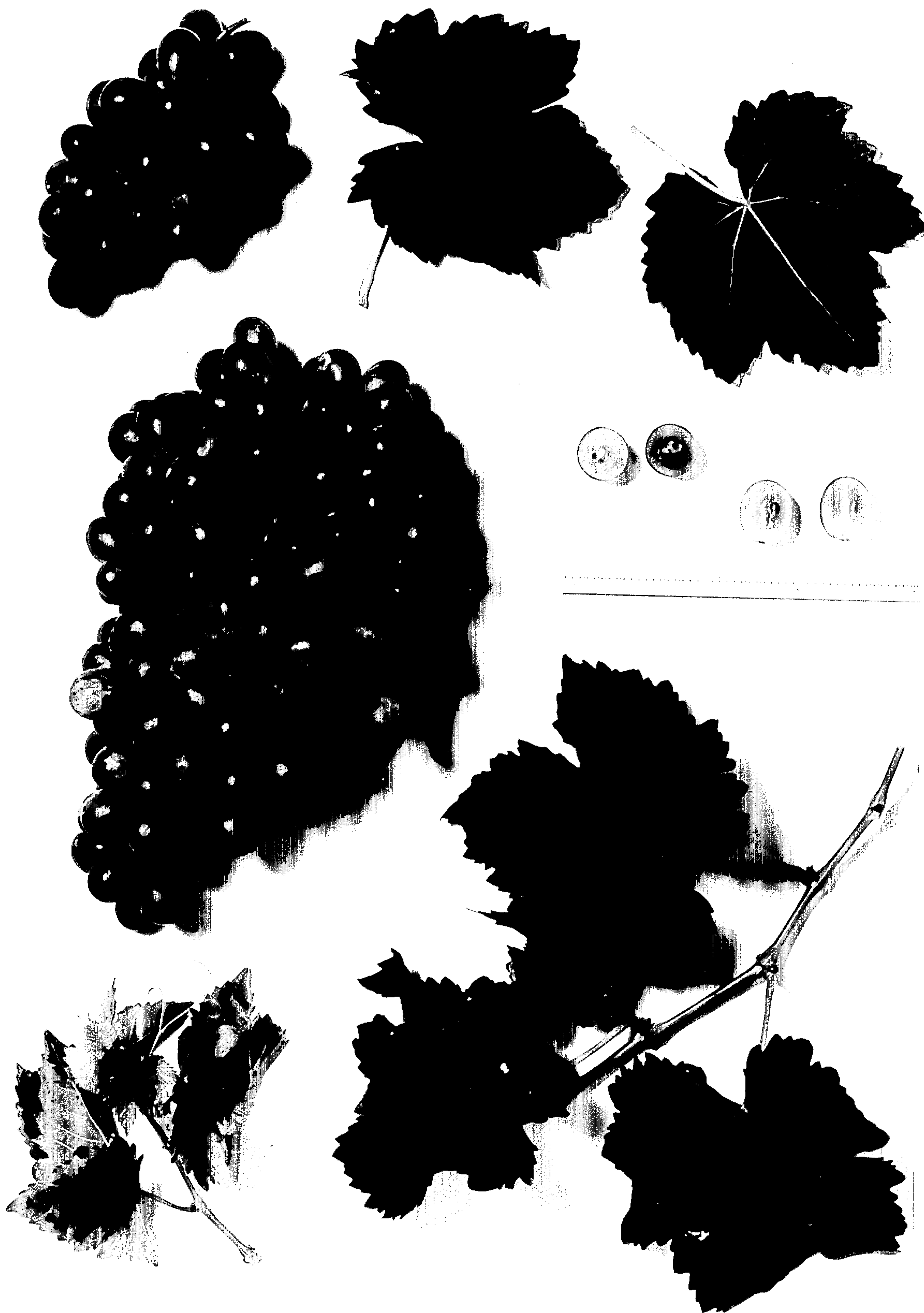
1. A new and distinct variety of grapevine to be designated varietally as the Flamed Globe substantially as illustrated and described which is characterized principally as to novelty by its production of grapes which are mature for commercial harvesting approximately September 1 through September 15 under the ecological conditions prevailing in the San Joaquin Valley of Central California, said grapes maturing several weeks earlier than the Emperor Grapevine (unpatented) with which it most closely resembles but from which it is distinguished by producing berries which have a reddish brown color and which further have leaves which have a sagitate petiole sinus and serrate marginal edge. 45

\* \* \* \* \*

U.S. Patent

Dec. 13, 1988

Plant 6,458



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : PP 06458

DATED : December 13, 1988

INVENTOR(S) : George A. Lucas

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 3, Line 30, delete "body" and  
substitute ---- lobe ----.

**Signed and Sealed this  
Eighteenth Day of April, 1989**

*Attest:*

DONALD J. QUIGG

*Attesting Officer*

*Commissioner of Patents and Trademarks*