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(54) CALLA LILY PLANT NAMED
'DOZANMACA'

(50) Latin Name: *Zantedeschia sprengeri*
Varietal Denomination: Dozanmaca

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patent is extended or adjusted under 35
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(57) ABSTRACT

'Dozanmaca' is a new variety of calla lily plant having dark
purple colored spathes that produces 3-14 inflorescences per
14-16 cm tuber. The flower stems are about 30-40 cm in
height. The leaves are green with a greyed-purple margin
and have a leathery texture.

1 Drawing Sheet

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Botanical classification: *Zantedeschia sprengeri*.
Varietal denomination: 'Dozanmaca'.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct cul-
tivar of calla lily, botanically known as *Zantedeschia*
sprengeri and hereinafter referred to by the cultivar name
'Dozanmaca', but having an original cultivar name of
'Macau'.

'Dozanmaca' is a product of a planned breeding program,
which had the objective of creating *Zantedeschia* hybrids for
pot flower production in a wide range of colors with a large,
classic flower shape. The breeding program began in 1989,
and the new cultivar is a seedling selected from the crossing
of *Zantedeschia sprengeri* seedling Z041583 (female parent,
unpatented) with *Zantedeschia sprengeri* variety 'Allure'
(male parent, unpatented). 'Dozanmaca' was selected in
2012 by the inventor in 't Zand, The Netherlands as one
flowering plant within the progeny of the stated cross.

The first act of asexual reproduction of 'Dozanmaca' by
tissue culture was performed by the inventor in September
of 2014 in 't Zand, The Netherlands. Subsequent asexual
reproductions by tissue culture at the same location have
demonstrated that the combination of characteristics as
herein disclosed for the new cultivar are retained and repro-
duced true to type through successive generations of asexual
reproduction.

The following observations, measurements and compari-
sons describe plants grown from 12 to 14 weeks in 14 cm
pots in 't Zand, The Netherlands under greenhouse condi-
tions, which approximate those generally used in horticul-
tural practice. Color references are made to The 2001 R.H.S.

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Colour Chart of The Royal Horticultural Society of London,
4th Edition, except where general color terms of ordinary
significance are used.

The present invention has not been evaluated under all
possible environmental conditions. The phenotype may vary
with variations in environment without a change in the
genotype of the plant.

The following traits have been repeatedly observed and
determined to be basic characteristics of 'Dozanmaca'
which, in combination, distinguish this calla lily as a new
and distinct cultivar:

1. Numerous, small, and dark purple colored spathes;
2. Greyed-purple leaf margin; and
3. Highly contrasting yellow colored spadix.

Table 1 provides a comparison of 'Dozanmaca' to its
parents, as well as *Zantedeschia sprengeri* variety 'Black
Star' (U.S. Plant Pat. No. 14,844).

TABLE 1

Variety	Relationship	Trait differences	Description
'Dozanmaca'	New variety	Spathe color	Upper surface is RHS 187A
Z041583	Female parent	Plant height	30-42 cm
		Spathe color	Varies between RHS N186C and N186D
		Plant height	39-51 cm
'Allure'	Male parent	Spathe color	Varies between RHS 59A and 59B
		Plant height	30-42 cm
'Black Star'	Known variety	Spathe color	Upper surface is between RHS 187A and RHS 202A
		Plant height	60-75 cm

BRIEF DESCRIPTION OF THE DRAWING

The accompanying photographic drawing illustrates the new variety, with the colors being as nearly true as is possible with color illustrations of this type.

DESCRIPTION OF THE NEW PLANT

Type: Deciduous.

Size:

Height of the leaf canopy above the soil.—38-42 cm.

Height of top of inflorescences above the soil.—30-40 cm.

Diameter.—42-59 cm.

Form: Upright.

Number of inflorescences per tuber:

Size 14-16 cm in diameter.—3-14 inflorescences.

Branches:

Number.—Plentiful.

Color.—Greyed-Purple Group RHS 187C.

Young shoot color.—Greyed-Purple Group RHS N186C.

Leaves:

Size.—Width: 6-8 cm, with the broadest part of the leaf blade in the middle. Length: 20-24 cm.

Number per plant.—45-60.

Leaf blade lobes.—Absent.

Shape.—Lanceolate.

Apex.—Apiculate.

Base.—Attenuate.

Margin.—Entire; having a color of Greyed-Purple Group RHS 187A.

Color.—Upper surface: Green Group RHS 137B, with Greyed-White Group RHS 156D maculations present. Lower surface: Green Group RHS 137B, with White Group RHS N155A maculations present.

Veins.—Configuration: Pinnate. Color: Green Group RHS 143A.

Surface texture.—Smooth (both surfaces).

Petiole.—Length: 18-21 cm. Diameter: Average of 30 mm. Color: The base is Greyed-Purple Group RHS 187C, the upper part is Greyed-Purple Group RHS 187C.

Roots:

Color.—White Group RHS 155C.

Branching description.—Fibrous root system. Several main roots emerge from the top of the tuber and form a small number of lateral roots.

Spathe:

Size.—Length (measured from opening to tip): 6.5-8 cm. Width: 3-4 cm. Height: 8-11 cm.

Color.—Throat spot: Absent. Upper surface: Greyed-Purple Group RHS 187A. Lower surface: Greyed-Purple Group RHS 187A.

Vein color.—Greyed-Purple Group RHS 187A.

Shape.—Cupped.

Apex.—Caudate.

Base.—Attenuate.

Margin.—Entire.

Spadix:

Shape.—Cylinder.

Size.—Length: 25-30 mm. Diameter: 10-15 mm.

Color.—Yellow-Orange Group RHS 15B to 15C.

Position relative to spathe.—Upright.

Female flower.—Number: 20-40. Shape: Pyramid.

Height: 2 mm. Diameter: 3.5 mm.

Male flower.—Number: 220-280. Shape: Cone.

Height: 1.5 mm. Diameter: 0.2 mm.

Peduncle:

Size.—Length: 26.5-34 cm. Diameter: 15-20 mm.

Color.—The upper part is Greyed-Purple Group RHS 187C, the lower part is Greyed-Purple Group RHS 187C.

Texture.—Smooth.

Reproductive organs:

Location of female organs.—Basal position of the spadix.

Location of male organs.—Upper position of the spadix.

Perianth.—Conspicuous.

Stamens.—Presence: Not visible before pollen release.

Number: Between 480 and 600. Pollen amount: Abundant; similar to 'Picasso' (U.S. Plant Pat. No 15,282). Color: Between White Group RHS 155B and 155C.

Anther.—Shape: Round. Length: Less than 1 mm.

Color: Between Yellow Group RHS 8B and 8C.

Filament.—Length: Less than 1 mm. Color: White Group RHS 155D.

Pistils.—Number: 15 to 30. Length beyond perianth: About 1 mm.

Stigma.—Shape: Round. Size: Less than 1 mm.

Style.—Length: Less than 1 mm. Color: Between Yellow Group RHS 8B and 8C.

Ovaries.—Texture: Smooth. Length: Between 1 to 10 mm. Width: Between 1 to 10 mm. Color: The top color is Yellow-Orange Group RHS 14D, the bottom color is Greyed-Purple Group RHS 183D.

Disease resistance: No unusual susceptibility/resistance to diseases noticed to date.

Pest resistance: No unusual susceptibility/resistance to pests noticed to date.

Heat tolerance: No heat tolerance.

Hardiness: Not hardy.

Flowering: In general, the time from planting to first flowering takes eight weeks.

Lastingness: About two weeks on the plant.

Fragrance: None.

I claim:

1. A new and distinct variety of calla lily plant named 'Dozanmaca' as herein described and illustrated.

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