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

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(54) **DELOSPERMA PLANT NAMED ‘DDLRE03-0’**

(50) Latin Name: *Delosperma cooperi*  
Varietal Denomination: **DDLRE03-0**

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patent is extended or adjusted under 35  
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(52) **U.S. Cl.**  
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(58) **Field of Classification Search**  
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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of *Delosperma* plant named  
‘DDLRE03-0’ is disclosed, characterized by large, brick-red  
flowers with yellow and white centers. Plants have a trailing  
habit with a mounded center, and are tolerant to cold. The  
new variety is a *Delosperma*, normally produced as an  
outdoor garden or container plant.

**2 Drawing Sheets**

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Latin name of the genus and species: *Delosperma coo-*  
*peri*.

Variety denomination: ‘DDLRE03-0’.

#### BACKGROUND OF THE INVENTION

The new *Delosperma* cultivar is a product of open polli-  
nation by the inventor, Steve Jones, at a commercial nursery  
in NSW, Australia. The open pollination was made in  
October 2016.

Various unnamed, unpatented proprietary *Delosperma*  
varieties were planted in open-pollination crossing blocks  
and the resulting seed bulk collected. Parent varieties are  
unidentified. The new variety was selected in October 2017  
by the inventor in a group of seedlings at the same nursery  
in Cobbitty, NSW, Australia.

Asexual reproduction of the new cultivar ‘DDLRE03-0’  
by terminal vegetative cuttings was first performed at a  
greenhouse in Cobbitty, NSW, Australia in October 2017,  
and has shown that the unique features of this cultivar are  
stable and reproduced true to type in 6 successive genera-  
tions.

#### SUMMARY OF THE INVENTION

The cultivar ‘DDLRE03-0’ has not been observed under  
all possible environmental conditions. The phenotype may  
vary somewhat with variations in environment such as  
temperature, day length, and light intensity, without, how-  
ever, any variance in genotype.

The following traits have been repeatedly observed and  
are determined to be the unique characteristics of  
‘DDLRE03-0’ These characteristics in combination distin-  
guish ‘DDLRE03-0’ as a new and distinct *Delosperma*  
cultivar:

1. Brick red flowers with a yellow and white center.
2. Low, mounded habit.
3. Cold tolerance to USDA Zone 5.

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4. Large flowers.
5. Flowering throughout plant, not just on tips.
6. Drought tolerance.

#### PARENT COMPARISON

The seed parents are not identifiable.

#### COMMERCIAL COMPARISON

Plants of the new cultivar ‘DDLRE03-0’ are comparable  
to the variety *Delosperma* ‘WOWDAY2’, U.S. Plant Pat.  
No. 25,645. The two *Delosperma* varieties are similar in  
most horticultural characteristics, however, the new variety  
‘DDLRE03-0’ differs in the following:

1. The new variety has better cold tolerance than this  
comparator.
2. The new variety flowers more in Summer than this  
comparator.

Plants of the new cultivar ‘DDLRE03-0’ are also com-  
parable to the variety *Delosperma* ‘WOWDRY1’ U.S. Plant  
Pat. No. 26,157. The two *Delosperma* varieties are similar in  
most horticultural characteristics, however, the new variety  
‘DDLRE03-0’ differs in the following:

1. The new variety has better cold tolerance than this  
comparator.
2. The new variety flowers more in Summer than this  
comparator.
3. Flowers of the new variety are brick red with a yellow  
and white center, flowers of this comparator are pink  
with a yellow and white center.

#### BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photograph in FIG. 1 illustrates in full  
color a typical plant of ‘DDLRE03-0’ grown in a nursery in  
the ground. Age of the plant photographed is approximately  
8 months from a rooted cutting.



FIG. 2 illustrates in full color a close up of typical blooms of 'DDLRE03-0'.

The photographs were taken using conventional techniques and although colors may appear different from actual colors due to light reflectance it is as accurate as possible by conventional photographic techniques.

#### DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to The Royal Horticultural Society Colour Chart 2007 except where general terms of ordinary dictionary significance are used. The following observations and measurements describe 'DDLRE03-0' plants grown outdoors from Winter to Spring in moderate climate in a greenhouse, in Santa Paula, Calif. The growing temperature ranged from approximately 16° C. to 30° C. during the day and from 9° C. to 16° C. during the night. General light conditions are high light levels 60,000 to 90,000 Lux Measurements and numerical values represent averages of typical plant types.

Botanical classification: *Delosperma cooperi* 'DDLRE03-0'.

#### PROPAGATION

Type of propagation typically used: Terminal vegetative cuttings.

Root description: Thin, fibrous, freely branching. Near RHS Greyed-Yellow 161D in color.

#### PLANT

Age of plant described: Approximately 10 weeks.

Container size of the plant described: 5 inch.

Growth habit: Trailing plant with a mounded center. Tender annual.

Height: Approximately 9 cm.

Plant spread: Approximately 34 cm.

Growth rate: Moderate.

Branching characteristics: Very freely branching.

Approximate quantity of lateral branches: Approximately 16 to 24 primary lateral branches, subsequently dividing into numerous secondary and tertiary lateral branches.

Length of lateral branches: Approximately 8 to 14 cm.

Diameter of lateral branches: Approximately 4 mm.

Shape of lateral branches: Round.

Substance of lateral branches: Succulent.

Texture of lateral branches: Moderately glossy, moderately dense coverage of short glandular hairs. Density increases towards terminal end. Hairs about 1 mm in diameter and height. Colored near RHS White 155A.

Lateral branch strength: Weak and moderately flexible.

Lateral branch color: Lower surfaces and around nodes colored near RHS Yellow-Green 144C. Upper surfaces near Yellow-Green 144C moderately flushed Greyed-Red 179B.

Internode length: Average range 2.5 to 3.7 cm.

#### FOLIAGE

Leaf:

*Arrangement.*—Opposite.

*Quantity.*—2 to 8 pairs, depending upon length of branch.

*Shape of blade.*—Ligulate, triangular in cross-section.

*Aspect.*—Reflexed downward, single center wedged indentation along length of approximately 90% of blade.

*Average length.*—Average range 3.5 to 5.0 cm.

*Average width.*—Approximately 4 to 5 mm.

*Average depth.*—4 mm.

*Apex.*—Acute.

*Base.*—Cuneate.

*Attachment.*—Sessile.

*Margin.*—Entire.

*Texture of top surface.*—Glabrous.

*Texture of bottom surface.*—Glabrous.

*Color.*—Young foliage upper side: Near RHS Green 137A. Young foliage under side: Near RHS Green 137A. Mature foliage upper side: Near RHS Green 137A. Mature foliage under side: Near RHS Green 137B, speckled 138C.

*Venation.*—Indistinguishable from foliage blade.

*Petiole.*—Not present.

#### FLOWER

Bloom period:

*Natural season.*—Long lasting flowering period. From March through December in Santa Paula, Calif.

*In commercial production, flowering begins from a rooted cutting.*—Approximately 6 to 8 weeks.

Inflorescence:

*Type.*—Single rotate terminally occurring flowers. Usually 2 single flowers per node.

Bud:

*Bud shape.*—Ovate.

*Bud length.*—Approximately 10 mm.

*Bud diameter.*—Approximately 7 mm.

*Bud color.*—Near RHS Red 45A.

*Rate of opening.*—Individual flowers: Fully open approximately 2 days from the bud showing color stage.

Individual flower:

*Type of individual flowers.*—Simple, rotate.

*Shape.*—Radial.

*Quantity of flowers and buds per plant.*—2 per node, 8 to 24 flowers and buds per lateral branch on a plant of this age in a 5 inch pot.

*Diameter of entire flower.*—Average range 3 to 3.5 cm.

*Depth of flower.*—Approximately 1.3 to 1.7 cm.

*Flower longevity on plant.*—Approximately 8 to 10 days.

*Persistent or self-cleaning.*—Persistent.

*Fragrance.*—Moderately strong musty scent.

Petals:

*Quantity.*—Average range 30 to 35.

*Length of petal.*—Average range 1.2 to 1.7 cm.

*Width of petal.*—Approximately 2 mm.

*Apex.*—Rounded.

*Base.*—Tapered.

*Shape of petal.*—Strap-like.

*Petal margin.*—Entire.

*Petal arrangement.*—Radial, forming 2 whorls around stamens.

*Petal appearance.*—Shiny, iridescent upper surface. Lower surface moderately shiny.

*Petal texture.*—Smooth, glabrous upper and lower surfaces.

*Color*.—Upper surface at first opening: Apical 80% near RHS Red 45A, with a sheen near Red 44B. Lower 20% near Yellow 6A. Upper surface at maturity: Apical 80% near RHS Red 46B. Apex flushed 46A. Lower 20% near Yellow 9C. Upper surface at fading: Apical 80% near RHS Red 53B, lower 20% near Yellow-Orange 13C. Under surface at first opening: Upper 80% near RHS Red 46B. Lower 20% near Yellow 9C. Under surface at maturity: Near RHS Red-Purple 61A, base near Orange-Red 34D. Under surface at fading: Near RHS Red-Purple 59B, base near Yellow-Orange 18A.

#### Petaloids:

*Quantity*.—Average range 30 to 40.  
*Length*.—Approximately 4 to 7 mm.  
*Width*.—Approximately 1.0 to 1.5 mm.  
*Apex*.—Rounded.  
*Base*.—Tapered.  
*Shape*.—Irregular strap-like.  
*Margin*.—Entire.  
*Arrangement*.—Radially around stamens.  
*Petal appearance*.—Shiny, iridescent upper surface. Lower surface moderately shiny.  
*Petal texture*.—Smooth, glabrous upper and lower surfaces.  
*Color*.—Upper surface at first opening: RHS Yellow 5A, apex Red 46B. Upper surface at maturity: RHS Yellow 7D, flushed Red 46B. Upper surface at fading: RHS Yellow 10B, flushed Red 46B. Under surface at first opening: RHS Yellow 5B, apex Red 46B. Under surface at maturity: RHS Yellow 7D, flushed Red 46B. Under surface at fading: RHS Yellow 5B, apex Red 46B.

Calyx: Rotate, 6 mm in depth, 1.9 in diameter (with sepals fully expanded).

#### Sepal:

*Number*.—5.  
*Sepal arrangement*.—5 sepals in a single whorl.  
*Sepal length*.—Average range 4 to 7 mm.  
*Sepal width*.—Average range 2 to 3 mm.  
*Sepal shape*.—Deltate.  
*Base*.—Truncate.  
*Apex shape*.—Acute.  
*Margin*.—Entire.

*Sepal appearance*.—Matte, upper and lower surfaces.

*Texture*.—Glabrous, upper and lower surfaces.

*Color*.—Upper: Near RHS Green 137A. Lower: Near RHS Green 137B.

#### 5 Peduncle:

*Length*.—Average range 5 to 10 mm.

*Diameter*.—Approximately 3 mm.

*Aspect*.—Slightly curved and undulating.

*Strength*.—Weak and flexible.

*Texture*.—Covered in very short glandular hairs.

*Color*.—Near RHS Yellow-Green 144C.

#### REPRODUCTIVE ORGANS

#### 15 Number of pistils per flower: 5.

*Pistil length*.—Approximately 2 mm. Highly reduced, style and stigma indistinguishable. All structures colored near RHS Yellow-Green 144C.

*Stamens quantity*.—Average 40.

#### 20 *Stamen length*.—3 to 4 mm.

*Anther shape*.—Elliptic.

*Anther size*.—0.5 mm.

*Anther color*.—Near RHS Yellow 2A.

*Pollen color*.—Near RHS Yellow 7B.

#### 25 *Pollen quantity*.—Moderate.

#### OTHER CHARACTERISTICS

Disease resistance: *Delosperma cooperi* is recognized to be generally not susceptible to diseases and pests. The new cultivar shows neither resistance nor susceptibility to diseases and pests which might be found on *Delosperma*. Especially in conditions of too much soil moisture, crown rot might occur, most likely caused by *Phytophthora*. Potential pests include the *Aphis* genus and the family *Pseudococcidae* (mealybug).

Environmental tolerance: Typically USDA Zones 5 through 9. Plants are also tolerant minor drought.

Fruits and seeds: Not observed to date.

#### 40 What is claimed is:

1. A new and distinct cultivar of *Delosperma* plant named 'DDLRE03-0' as herein illustrated and described.

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FIG. 1



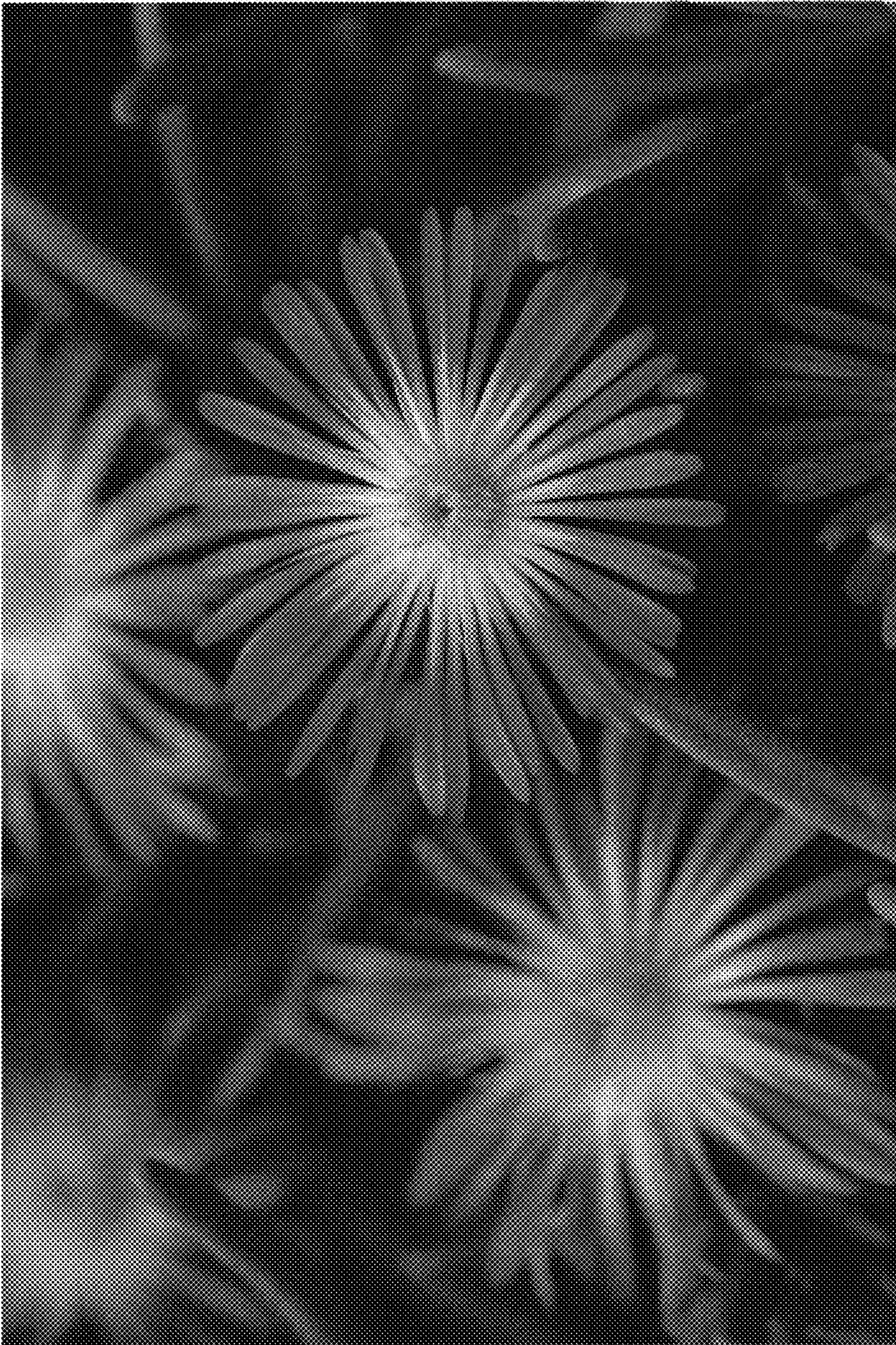


FIG. 2