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

(10) **Patent No.:** **US PP29,215 P3**
(45) **Date of Patent:** **Apr. 10, 2018**

(54) **APPLE TREE NAMED ‘HOWELL TC5 WF’**

(50) Latin Name: *Malus Domestica*
Varietal Denomination: **Howell TC5 WF**

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(US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **15/530,417**

(22) Filed: **Jan. 10, 2017**

(65) **Prior Publication Data**

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Related U.S. Application Data

(60) Provisional application No. 62/388,026, filed on Jan.
12, 2016.

(51) **Int. Cl.**
A01H 5/08 (2006.01)

(52) **U.S. Cl.**
USPC **Plt./161**

(58) **Field of Classification Search**
USPC Plt./161
See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct apple tree is disclosed. ‘Howell TC5 WF’
is notable for its distinctive bright pink appearance and
intense sweet/tart flavor.

2 Drawing Sheets

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Latin name of the genus and species of the plant claimed:
Malus Domestica.

Variety denomination: ‘Howell TC5 WF’.

**CROSS-REFERENCE TO RELATED
APPLICATIONS**

None.

**STATEMENT REGARDING FEDERALLY
SPONSORED RESEARCH OR DEVELOPMENT**

None.

BACKGROUND OF THE INVENTION

The new variety of apple tree ‘Howell TC5 WF’ was
created in the course of a planned breeding program carried
out in Prosser, Wash. ‘Howell TC5 WF’ originated as a result
of an open pollination cross in 2001 of ‘Cripps Pink’ (U.S.
Plant Pat. No. 7,197, expired), seed parent, with the pollen
parent being ‘Honeycrisp’ (U.S. Plant Pat. No. 7,197,
expired). ‘Howell TC5 WF’ was selected in 2010 as a single
plant from among a population of seedlings derived from the
parents, and was selected for the quality of its fruit. It is
distinguished from its parents by its bright pinkish red skin
and by its intense sweet/tart flavor. Asexual propagation by
budding was first carried out in Prosser, Wash. The variety
has since been observed over a number of asexually propa-
gated generations, and has been found to remain true to type.

BRIEF SUMMARY OF THE INVENTION

‘Howell TC5 WF’ is a new and distinct apple tree notable
for its distinctive fruit, which has a bright pinkish red skin
and an intense sweet/tart flavor.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

FIG. 1 shows the fruit of the claimed variety on the tree;
and

FIG. 2 shows a sectioned fruit of the claimed variety.

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DETAILED BOTANICAL DESCRIPTION

The following detailed botanical description is based on
observations made during the 2015 growing season at
Prosser, Wash. All colors are described according to The
Royal Horticultural Society Colour Chart as published in
2001. It should be understood that the characteristics
described will vary somewhat depending upon cultural
practices and climatic conditions, and can vary with location
and season. Quantified measurements are expressed as an
average of measurements taken from a number of individual
plants of the new variety. The measurements of any indi-
vidual plant, or any group of plants, of the new variety may
vary from the stated average.

Tree:

Vigor.—Semi-vigorous.

Size.—Height 2.75 m, spread 1.2 m.

Trunk.—Diameter 2.5 cm at 30 cm above graft union.

Bark texture.—Smooth.

Bark coloration.—Gray to reddish-brown.

Branch:

Length.—Length 81.3 cm.

Diameter.—1.27 cm at 1 m above ground.

Crotch angle relative to trunk.—60°.

Color.—Gray to reddish-brown.

Dormant one-year-old shoot:

Size.—Diameter 1 cm, length 71 cm.

Color.—Gray to reddish-brown.

Internode length.—3.8 cm.

Flowers:

Bud quantity per spur.—4 to 5.

Bud shape.—Cone.

Bud length.—1 cm.

Bud diameter.—0.5 cm.

Bud color.—Greyed-purple 186B.

Color at balloon stage.—Greyed-purple 186C.

Diameter of open flower.—4 cm.
Margin.—Smooth.
Relative position of petal margin.—Overlapping.
Petal length.—2 cm.
Petal width.—1.4 cm.
Apex shape.—Pointed.
Base shape.—Pointed.
Color of upper surface.—White N155B.
Color of lower surface.—White N155C.
Pistil length.—0.6 cm.
Pistil color.—Yellow 1D.
Anther quantity.—14.
Anther size.—0.1 cm.
Color of pollen.—Yellow 2C.
Stigma size.—0.1 cm.
Stigma color.—Yellow 2C.
Style size.—1 cm.
Style color.—1D.
Ovary width.—0.3 cm.
Ovary length.—0.5 cm.
Ovary color.—Yellow-green 146B.
Bloom period.—First bloom March 25, full bloom April 3 in Prosser, Wash.
 Pedicel:
Length.—1.3 cm.
Diameter.—0.2 cm.
Color.—Yellow-green 145A.
 Sepals:
Quantity.—5.
Color.—Yellow-green 145A.
Length.—0.5 cm.
Width.—0.4 cm.
 Leaf:
Shape.—Ovate.
Attitude in relation to shoot.—Nearly vertical.

Blade margin.—Serrated.
Apex.—Acuminate.
Base shape.—Rounded.
Size.—Length 10.2 cm, width 5.7 cm.
Color of upper surface.—Dark green.
Color of lower surface.—Green.
Petiole length.—2.86 cm.
Petiole diameter.—0.32 cm.
 Fruit:
Size.—Diameter 7.6 cm, height 7.5 cm.
Weight.—204 g.
General shape in profile.—Rounded.
Ribbing.—Absent.
Crowning at calyx end.—Moderate.
Stalk.—Length 2.5 cm, width 0.3 cm.
Depth of stalk cavity.—1.9 cm.
Width of stalk cavity.—0.64 cm.
Size of lenticels.—0.8 mm.
Quantity of lenticels.—Abundant.
Ground color of skin.—Yellow.
Over color of skin.—Bright pinkish red.
Pattern of over color.—Solid flush.
Flesh.—Crisp and very juicy.
Brix.—15°.
Quantity of seeds.—8 to 10 per fruit.
Shape of seed.—Acuminate.
Seed color.—Dark brown.
Disease resistance/susceptibility.—None noted.
 Use: Fresh market and processing.
 The invention claimed is:
 1. I claim a new and distinct apple tree substantially as shown and described herein.

* * * * *



FIG. 1

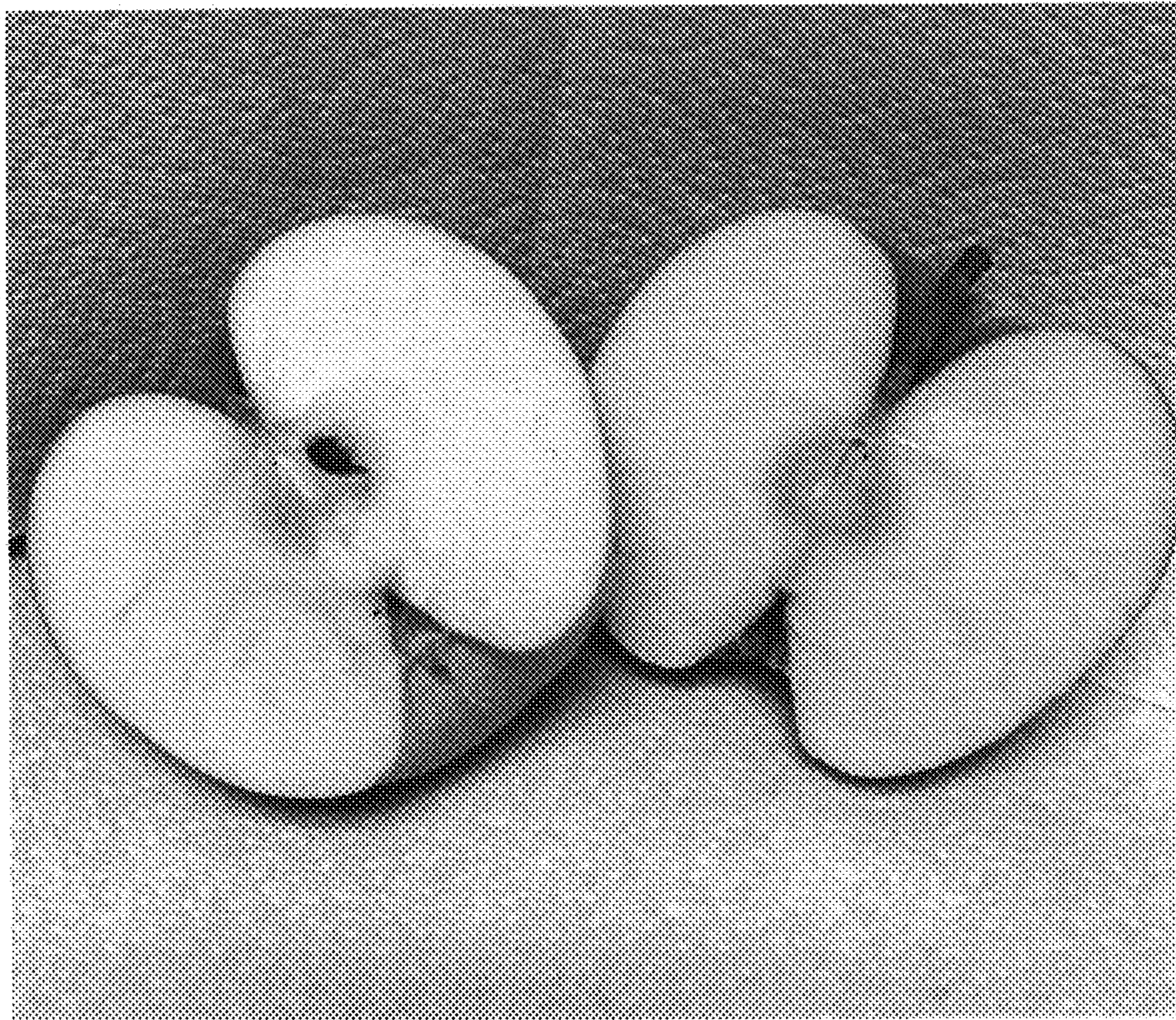


FIG. 2

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

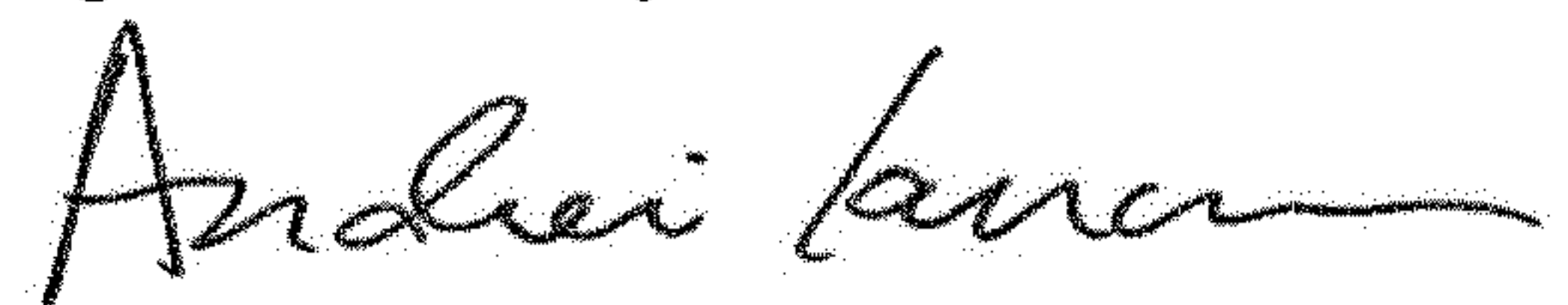
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INVENTOR(S) : William Edward Howell

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

At Column 1, Line 19, the U.S. Plant Pat. No. associated with 'Cripps Pink' should read --7,880--.

Signed and Sealed this
Eighteenth Day of December, 2018

A handwritten signature in black ink, appearing to read "Andrei Iancu", written in a cursive style.

Andrei Iancu
Director of the United States Patent and Trademark Office