



US00PP16939P2

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

(10) **Patent No.:** **US PP16,939 P2**
(45) **Date of Patent:** **Aug. 1, 2006**

(54) **CRABAPPLE TREE NAMED ‘X6114’**

(50) Latin Name: *Malus* sp.
Varietal Denomination: **X6114**

(75) Inventor: **Francois Laurens**, Geaucouze (FR)

(73) Assignee: **Agri-Obtentions SA**, Guyancourt
Cedex (FR)

(*) 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.: **11/031,329**

(22) Filed: **Jan. 6, 2005**

Related U.S. Application Data

(60) Provisional application No. 60/536,173, filed on Jan. 12,
2004.

(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./173**

(58) **Field of Classification Search** **Plt./173**
See application file for complete search history.

Primary Examiner—Kent Bell
Assistant Examiner—June Hwu
(74) *Attorney, Agent, or Firm*—Stratton Ballew PLLC

(57) **ABSTRACT**

‘X6114’ is a new and distinct crabapple tree (*Malus* Mill.)
notable for its late flowering and relatively low vigor.

3 Drawing Sheets

1

Latin name of the genus and species of the plant claimed:
Malus sp.
Variety denomination: ‘X6114’.

BACKGROUND OF THE INVENTION

‘X6114’ originated from a cross of ‘Liberty’ (seed parent,
unpatented)×‘White Angel’ (pollen parent, unpatented),
conducted as part of a controlled breeding program in
Angers, France in 1985. ‘X6114’ has been asexually propa-
gated by budding at Angers, France and Parker, Wash., USA,
and has been shown to remain true to type over successive
generations.

BRIEF SUMMARY OF THE INVENTION

‘X6114’ is a new and distinct apple tree notable for its late
flowering and relatively low vigor as compared to ‘Baugene’
(unpatented), the variety most similar to ‘X6114.’ ‘X6114’ is
clearly distinguishable from its parents by its fruit, which at
31 mm diameter is notably larger than ‘White Angel’ (12
mm to 20 mm) and smaller than ‘Liberty’ (70 mm to 80
mm).

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

FIG. 1 shows the tree and leaves of the new cultivar;
FIG. 2 shows the fruit and leaves of the new cultivar; and
FIG. 3 shows whole and sectioned fruit, leaves, and seeds
of the new cultivar.

DETAILED BOTANICAL DESCRIPTION

The following is a detailed botanical description of the
new and distinct apple tree, based on observations of three
year old specimens grown at Parker, Wash., U.S.A. Color
chart numbers refer to The Royal Horticultural Society
Colour Chart. It should be understood that the botanical
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 mea-

2

surements of any individual plant, or any group of plants, of
the new variety may vary from the stated average.

- 5 1. Tree:
Vigor.—Moderate.
Habit.—Vase shaped.
Size.—Height, 1.8 m; diameter, 1.2 m.
Trunk.—Diameter 14 cm at graft union; bark texture
smooth; lenticels prominent, elongated, length 0.5 to
10 0.9 cm, width 0.1 to 0.2 cm; trunk color brown
N200D, new growth greyed-orange 176A; lenticels
greyed-orange 165C.
Branches (primary lateral).—Length 31.2 cm; diam-
eter 2.7 cm; smooth; branch color grey-brown 199C;
lenticels elongated, length 0.3 to 0.4 cm, width 0.1 to
0.2 cm; greyed-yellow 161B.
Winter hardiness.—Hardy in area tested (Hardiness
Zone 2).
- 20 2. Dormant one year old shoot:
Color.—Greyed-orange 176A.
Internode length.—2.4 to 4.0 cm.
Number of lenticels.—2 per cm².
- 25 3. Flower:
Bud.—Quantity per spur 3 to 6; elongated; smooth;
hardy; length 0.5 to 0.6 cm; diameter 0.2 to 0.3 cm;
green 143B, tip red-purple 67A.
Flower size.—Diameter 3.0 to 3.2 mm; Quantity per
cluster 3 to 6.
30 *Petals*.—Quantity per flower 5; overlapping; length 2.2
to 2.3 cm; width 1.6 to 1.7 cm; apex obtuse; base
oblique; upper and lower surface color white 155D
with red-purple 70D venation when fully open.
Sepals.—Length 0.6 to 0.7 mm; width 0.2 to 0.3; green
35 143B.
Pedicel.—Length 3.5 cm; diameter 0.2 mm; green
143C.
Pistil.—Quantity 3, length 1.3 to 1.4 cm; smooth;
yellow-green 150D.
40 *Stamen*.—Quantity per flower 20; length 0.9 to 1.3 cm;
white 155D; pollen abundant, yellow 4A.

Bloom period.—Blooms annually; Late, March 28 to April 20 at Parker, Wash. (2004 growing season).

4. Leaf:

Attitude in relation to shoot.—Upward.

Length.—7.6 cm.

Width.—5.0 cm.

Margin.—Serrulate.

Shape.—Ovate.

Color.—Upper surface green137C; venation yellow-green 150D; lower surface green138B.

5. Petiole: Length 2.6 mm; diameter 0.2 mm; color greyed-orange 176A.

6. Fruit:

Size.—Diameter 31 mm; height 31 mm.

General shape in profile.—Truncate conical.

Ribbing.—None.

Crowning at calyx end.—None.

Depth of eye basin.—0.0 to 0.1 mm.

Stalk.—Diameter 2.0 mm; Length 25 mm; color green-yellow 1B, greyed-orange 163A.

Depth of stalk cavity.—3.0 to 4.0 mm.

Width of stalk cavity.—13.0 to 15.0 mm.

Skin texture.—Smooth, moderate thickness.

Ground color of skin.—Yellow-green 145A.

Over color of skin.—Greyed-red 179A.

Amount of over color.—40 to 60 percent of surface.

Pattern of over color.—Blush.

Flesh.—Texture coarse; moderate juiciness; astringent; greyed-yellow 160C.

Seeds.—Length 5.0 mm, width 5.0 mm; ovateacuminate; white 155A.

Fruit drop.—After multiple freezes.

7. Disease resistance: Somewhat resistant to scab, powdery mildew and blight (similar to parents).

Use.—Pollenizer.

It is claimed:

1. We claim a new and distinct crabapple tree substantially as shown and described herein.

* * * * *



FIG. 1



FIG. 2



FIG. 3

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : PP 16,939 P2
APPLICATION NO. : 11/031329
DATED : August 1, 2006
INVENTOR(S) : Laurens

Page 1 of 1

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

Column 2,

Line 28, "mm" should read --cm--;

Line 34, "0.6 to 0.7 mm; width 0.2 to 0.3" should read --0.6 to 0.7 cm;
width 0.2 to 0.3 cm--;

Line 36, "mm" should read --cm--; and

Column 3,

Line 18, "mm" should read --cm--.

Signed and Sealed this

Twenty-first Day of November, 2006

A handwritten signature in black ink on a light gray dotted background. The signature reads "Jon W. Dudas" in a cursive style.

JON W. DUDAS

Director of the United States Patent and Trademark Office