## CLAIMS

What is claimed is:

1. An expandable liner hanger assembly, comprising:

a liner hanger body, wherein the liner hanger body includes a radially expandable tubular;

a groove formed in a radially outer surface of the liner hanger body, wherein the groove is configured to extend circumferentially about the liner hanger body; and

at least one anchor key having a base portion disposed within the groove, wherein an engagement end of the at least one anchor key extends radially outward from the groove, wherein the engagement end is configured to engage a casing string in response to expansion of the liner hanger body to anchor into the casing string.

2. The expandable liner hanger assembly of claim 1, wherein the engagement end of the at least one anchor key extends radially outward from the groove via a key gap formed between an upper groove edge and a lower groove edge, and wherein at least a portion of the base portion of the at least one anchor key has a greater width than the key gap to retain the at least one anchor key with the groove.

3. The expandable liner hanger assembly of claim 1 or claim 2, wherein the liner hanger body includes a circumferential groove ridge protruding radially outward from the radially outer surface of the liner hanger body, and wherein the groove is formed in the circumferential groove ridge; and/or wherein the groove comprises a dovetail groove; and/or wherein the dovetail groove is configured to extend circumferentially about the liner hanger body.

4. The expandable liner hanger assembly of any preceding claim, further comprising a spike ridge protruding radially outward from the radially outer surface of the liner hanger body, wherein the spike ridge extends circumferentially about the liner hanger body, wherein the spike ridge is axially offset from the circumferential groove ridge, and wherein the spike ridge is configured to engage the casing string in response to expansion of the liner hanger body to help anchor the liner hanger body to the casing string.

5. The expandable liner hanger assembly of any preceding claim, wherein a cross-section of the spike ridge is tapered in the radially outward direction to form a tip at a radially outer end of the spike ridge, and wherein the tip is configured to engage the casing string.

6. The expandable liner hanger assembly of any preceding claim, wherein the spike ridge extends radially outward further than a radially outer end of the circumferential groove ridge with respect to the liner hanger body.

7. The expandable liner hanger assembly of any preceding claim, wherein the at least one anchor key extends radially outward further than the spike ridge.

8. The expandable liner hanger assembly of any preceding claim, wherein the at least one anchor key includes a plurality of anchor keys, wherein each anchor key is disposed within the groove, and wherein the anchor keys are positioned equidistant from each other within the groove; and/or wherein the groove comprises a dovetail groove.

9. The expandable liner hanger assembly of any preceding claim, wherein each anchor key of the plurality of anchor keys is configured to extend circumferentially between five degrees to twenty degrees about a circumference of the liner hanger body.

10. The expandable liner hanger assembly of any preceding claim, further comprising a second groove formed in the radially outer surface of the liner hanger body, wherein the second groove is configured to extend circumferentially about the liner hanger body, and wherein the at least one anchor key include a first group of discrete anchor keys disposed with the groove and a second group of discrete anchor keys disposed within the second groove.

11. The expandable liner hanger assembly of any preceding claim, further comprising an entry slot formed along the groove, wherein the entry slot has a greater width than the base portion of the at least one anchor key, wherein the entry slot is configured to provide a pathway for insertion of the at least one anchor key into the groove; and/or wherein the groove comprises a dovetail groove.

12. The expandable liner hanger assembly of any preceding claim, further comprising a retainer system configured to block at least a portion of the entry slot to restrain movement of the at least one anchor key through the entry slot; and/or wherein the retainer system includes a retention feature securable over at least a portion of the entry slot to restrain movement of the at least one anchor key through the entry slot; and/or wherein the retention feature includes a retaining block securable within a least a portion of the entry slot via a fastener.

13. The expandable liner hanger assembly of any preceding claim, wherein the at least one anchor key has a minimum yield strength of at least one thousand two hundred and ten megapascals (MPa).

14. The expandable liner hanger assembly of any preceding claim, wherein the at least one anchor key is configured to indent the casing string to form a recess corresponding to the at least one anchor key, and wherein an interface between the at least one anchor key and the recess formed in the casing string is configured to anchor the liner hanger to the casing string.

15. A method comprising:

inserting an expandable liner hanger assembly into a wellbore, wherein the expandable liner hanger assembly includes a liner hanger body, wherein the liner hanger body includes a groove formed in a radially outer surface of the liner hanger body and at least one anchor key disposed within the groove, wherein the groove is configured to extend circumferentially about the liner hanger body, wherein a base portion of the at least one anchor key is disposed within the groove, and wherein an engagement end of the at least one anchor key extends radially outward from the groove; and

expanding the liner hanger body to drive the at least one anchor key to engage a casing string disposed within the wellbore and anchor the expandable liner hanger assembly to the casing string.