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(54) **PHENOLIC COMPOSITIONS DERIVED FROM APPLE SKIN AND USES THEREOF**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

Described herein are phenolic compositions derived from apple skins. In particular, described herein are flavonoid-rich fractions derived from apple skin extract. The compositions are useful in the prevention and treatment of conditions associated with oxidative stress and/or inflammation, including certain neurodegenerative diseases. Methods of producing the compositions are also described.

34 Claims, 19 Drawing Sheets