

ABSTRACT

**TITLE OF INVENTION: INDUSTRIAL, PHARMACEUTICAL AND COSMETIC
APPLICATIONS FOR CULTURED PLANT CELL GUMS**

Methods of using cultured plant cell gums in the paper, adhesive, oil and gas, ink, lithography, textile, paint, ceramics, cleaning detergent, cosmetics, photography, explosive, firefighting, agricultural, and other industries are described. Industrial and cosmetic compositions containing cultured plant cell gums are also described.

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