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(54) **PROPANE PROCESS FOR PRODUCING
CRUDE OIL AND BITUMEN PRODUCTS**

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C10G 1/04 (2006.01)

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CPC **C10G 1/045** (2013.01); **C10G 1/042**
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(58) **Field of Classification Search**
CPC C10G 1/04; C10G 1/045
See application file for complete search history.

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(57) **ABSTRACT**

Disclosed are processes for producing bitumen-derived crude oil and heavy bitumen compositions from oil sand. The processes involve treating oil sand feedstock with a first hydrocarbon solvent comprised of propane to produce the bitumen-derived crude oil composition having an asphaltene content of not greater than 5 wt % pentane insoluble, and an oil-depleted oil sand. The oil-depleted oil sand is treated with a second hydrocarbon solvent comprised of propane and a fraction of the bitumen-derived crude oil composition to produce the heavy bitumen composition and oil sand tailings. The oil sand tailings are dried by contacting the tailings with a drying composition comprised of a majority of propane.

11 Claims, No Drawings