

Title (en)

A PREPARATION OF SODIUM BICARBONATE FROM CARBON DIOXIDE

Title (de)

HERSTELLUNG VON NATRIUMBICARBONAT AUS KOHLENDIOXID

Title (fr)

PRÉPARATION DE BICARBONATE DE SODIUM À PARTIR DE DIOXYDE DE CARBONE

Publication

**EP 3947285 A1 20220209 (EN)**

Application

**EP 20721849 A 20200320**

Priority

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Abstract (en)

[origin: WO2020197513A1] A preparation of sodium bicarbonate from carbon dioxide (CO<sub>2</sub>) comprises of the following steps: prepare sodium compound solution by dissolving sodium compound in deionized water; prepare ammonia solution by dissolving ammonia in deionized water; mix sodium compound solution and ammonia solution together at temperature-controlled conditions and release carbon dioxide into the mixture, resulting in sodium bicarbonate product with white solid property; filter the product out of the solution and wash it with organic solvent; and let it dry a room temperature.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2020197513A1

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