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(54) Title: SODIUM BICARBONATE PRODUCTION

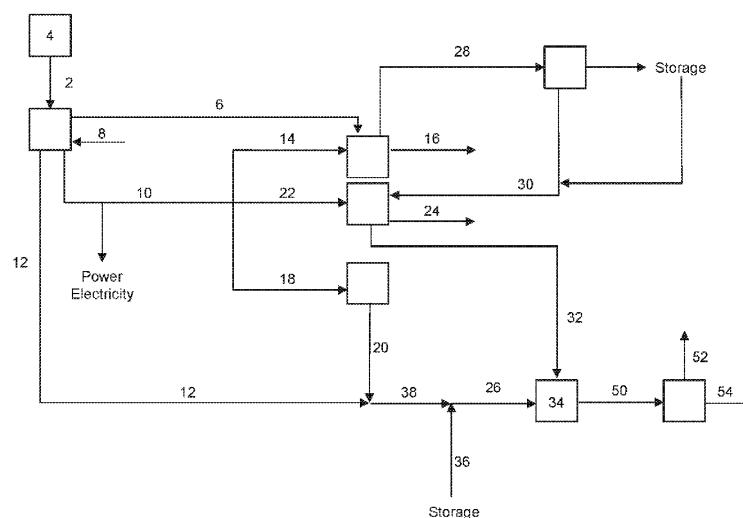


Figure 1

(57) Abstract: The present invention relates to a method for the production of sodium bicarbonate, particularly for producing sodium bicarbonate on an industrial scale, the method comprising the steps of: a. treating a carbonaceous feedstock to form a product stream comprising up to 10 v/v% carbon dioxide; b. capturing at least a portion of the carbon dioxide from the product stream to form a carbon dioxide stream; c. feeding the carbon dioxide stream to a reaction vessel; d. feeding an aqueous sodium carbonate solution to the reaction vessel; e. contacting at least a portion of the carbon dioxide stream with at least a portion of the aqueous sodium carbonate solution to form a slurry comprising solid sodium bicarbonate; and f. separating the solid component of the slurry from the liquid component of the slurry to provide solid sodium bicarbonate and an aqueous liquor.

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