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(54) Title: PROCESS FOR THE PRODUCTION OF PRECIPITATED CALCIUM CARBONATES AND PRODUCT PRODUCED THEREBY

(57) Abstract: A process for producing precipitated calcium carbonate, including the steps of providing calcium hydroxyde, and carbonating the calcium hydroxyde with carbon dioxide gas and communicating for a time sufficient to produce a calcium carbonate having at least about a 90 weight percent conversion to calcium carbonate and having a solids concentration of at least about 90 weight percent. Also, a process for producing precipitated calcium carbonate, including the steps of providing calcium hydroxide, carbonating the calcium hydroxide with carbon dioxide gas for a time sufficient to at least partially convert the calcium hydroxide to calcium carbonate, comminuting the at least partially converted calcium hydroxide, and sequentially repeating steps of carbonating and comminuting for a time sufficient to substantially convert the calcium hydroxide to calcium carbonate having at least about a 90 weight percent conversion to calcium carbonate and having a solids concentration of at least about 90 weight percent.



WO 03/106344 A1