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(54) Title: METHOD FOR PRODUCTION OF PURIFIED SILICA

(57) Abstract: A method for producing purified SiO₂ is provided, comprising method steps to form an aqueous Na₂SiO₃ solution, subsequently partitioning the aqueous Na₂SiO₃ solution into at least two portions, wherein a mixture comprising a first portion of the purified SiO₂ alongside NaHCO₃ solution is produced by adding gaseous CO₂ to a first portion of the aqueous Na₂SiO₃ solution; and filtering the mixture as obtained to separate and obtain the purified SiO₂ and the NaHCO₃ solution, wherein the NaHCO₃ solution is added to a further portion of the aqueous Na₂SiO₃ solution to precipitate an additional portion of the purified SiO₂.

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