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(54) Title: CALCIUM HYDROXYAPATITE BASED CALCIUM SULFONATE GREASE COMPOSITIONS AND METHOD OF MANUFACTURE

(57) Abstract: An overbased calcium sulfonate grease composition comprising a reduced amount of overbased calcium sulfonate, calcium hydroxyapatite, base oil, one or more converting agents, and one or more complexing acids if a complex grease is desired. The calcium sulfonate grease composition improves thickener yield and expected high temperature utility as demonstrated by dropping point. A method of making the composition comprising the steps of mixing the calcium sulfonate and base oil, adding the calcium carbonate either before or after conversion, adding one or more converting agents, and adding one or more complexing acids. All or a portion of one or more of the complexing acids may be added with or prior to the one or more converting agents.



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