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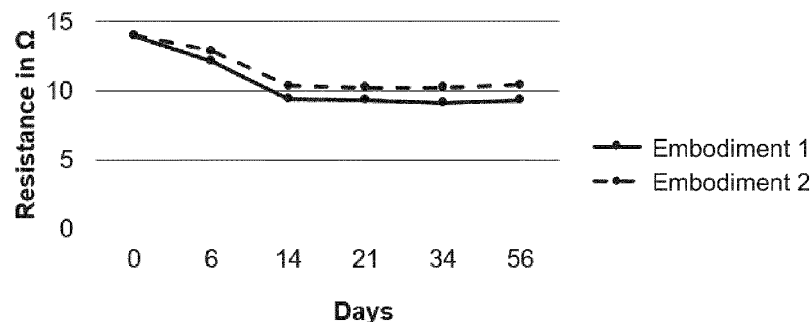
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(54) Title: BACKFILL MATERIAL FOR EARTHING APPLICATIONS

Fig. 2



(57) Abstract: A conductive and swellable backfill material for earthing applications comprises a conductive material selected from the group of graphite, coke powder and a combination thereof, a polyacrylamide powder, a binder comprising cement, and, optionally, a salt selected from the group of magnesium sulfate, sodium sulfate and a combination thereof. This unique backfill material enables to utilize the same in low moisture zones because of its low resistivity, high-water absorption, and non-leachable behavior.

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