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(54) Title: ALLOY PLATING (57) Abstract There is disclosed an electroplating bath for depositing zinc/manganese alloys on a substrate characterized in that it comprises an aqueous bath free or substantially free of ammonium halide and of fluoroborate which is made up from 10–150 g/l, alkali metal salt, 30–90 g/l boric acid, 10–200 g/l water soluble zinc salt, 10–50 g/l water soluble manganese salt, 60–140 g/l alkali metal gluconate or tartrate and a base e.g. an alkali metal hydroxide to bring the pH to the range 6.1–7.1. Passivates are also disclosed.		