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(54) Title: IMPROVED TIN PRODUCTION, WHICH INCLUDES A COMPOSITION COMPRISING TIN, LEAD, SILVER AND ANTIMONY

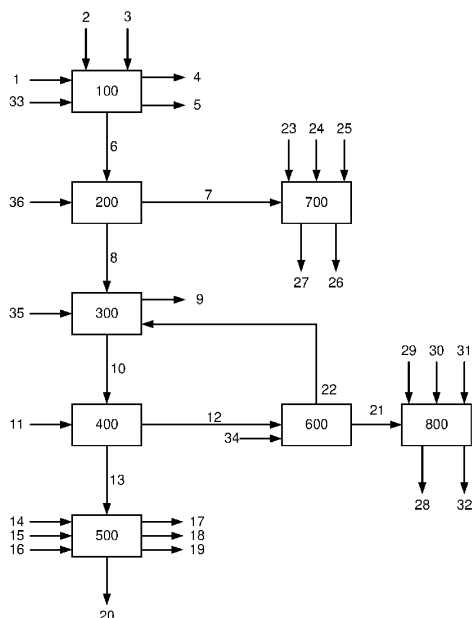


Figure 1

(57) Abstract: Disclosed is a process for the separation by fractional crystallisation (300) of a molten crude tin mixture (8) containing lead and silver, into a first silver-enriched liquid drain product (9) at the liquid end of the crystallisation step and a first tin-enriched product (10) at the crystal end of the crystallisation step whereby the first silver-enriched liquid drain product comprises on a dry weight basis 6.0-30.0%wt of lead, 70.0-91 %wt of tin, 95.0- 99.0%wt of lead and tin together, 0.75-5.00%wt of silver, and $\geq 0.24\%$ wt of antimony. Further disclosed is a metal composition (9) comprising 6.0-30.0%wt of lead, 70.0-91 %wt of tin, 95.0-99.0%wt of lead and tin together, 0.75-5.00%wt of silver, and $\geq 0.24\%$ wt of antimony.

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