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Abstract

The invention is concerned with a method of obtaining protective coatings on the surface of chemically active materials comprising a mixture of a chemically active metal and a fusible stable element. The method is characterized by comprising the steps of:

- providing at least one chemically active metal A
- providing at least one fusible stable element B
- mixing metal A and element B to form a mixture
- treating said mixture at its surface with a liquid agent L, which is capable of dissolving metal A but not capable of dissolving element B, at a temperature which is higher than the melting point of element B thereby creating a coating consisting essentially of element B at the surface of said mixture
- ceasing treatment when the desired thickness of the coating has been achieved
- removing the liquid agent and
- cleaning and drying the mixture.

(Fig. 1)