

Title (en)

Method and apparatus for recovering substance adhered to object to be processed.

Title (de)

Verfahren und Vorrichtung zur Rückgewinnung von auf einem zu verarbeitenden Gegenstand aufgeklebten Stoff.

Title (fr)

Procédé et dispositif de récupération d'une substance adhérente à un objet à usiner.

Publication

EP 0493122 A2 19920701 (EN)

Application

EP 91312040 A 19911224

Priority

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Abstract (en)

A method for recovering substance such as zincing or the like adhered to the surface of an object to be processed, by causing such materials to be evaporated in a vacuum. In this method, the object to be processed is placed in a furnace provided with heating means; the temperature within the furnace is elevated up to a predetermined level with the aid of an oxidizing gas atmosphere; the pressure in the furnace is reduced so that the quantity of the oxidizing gas is reduced to be below the explosion limit; and a reducing gas atmosphere is fed into the furnace to reduce the oxidation of the object to be processed. Thereafter, the interior of the furnace is evacuated while being maintained under a predetermined evaporation temperature condition; and the substance evaporated from the object to be processed is passed to recovery means provided in communication with the furnace, so that the substance thus evaporated is condensed in the recovery means and recovered therefrom.

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C22B 19/04; **C23G 5/00**

IPC 8 full level

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CPC (source: EP KR)

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Cited by

CN107051958A; ES2200717A1; CN106191444A; DE19781654B4; EP0748882A1; EP0694623A3; US5735933A; WO02053789A1; US10287651B2; US11136646B2; US6332909B1

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