

Title (en)

METHOD FOR PRODUCING A HARD LAYER ON TOOLS, DEVICE FOR INDUCTIVE SINTERING OR SEALING IN HARD LAYERS ON PLUNGERS AND PLUGS, AND PLUNGERS AND PLUGS FOR PRODUCING HOLLOW GLASSWARE

Title (de)

VERFAHREN ZUM ERZEUGEN EINER HARTSCHICHT AUF WERKZEUGEN, VORRICHTUNG ZUM INDUKTIVEN SINTERN ODER EINSCHMELZEN VON HARTSCHICHTEN AUF PRESSTEMPELN ODER PEGELN SOWIE PRESSTEMPEL UND PEGEL ZUR HERSTELLUNG VON HOHLGLAS

Title (fr)

PROCEDE DE PRODUCTION D'UNE COUCHE DURE SUR DES OUTILS, DISPOSITIF DE FRITTAGE INDUCTIF OU DE SCELLEMENT DE COUCHES DURES SUR DES POINONS OU DES MANDRINS ET POINONS ET MANDRINS POUR PRODUIRE DU VERRE CREUX

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Abstract (en)

[origin: WO9900534A1] The invention relates to a method for producing a hard layer on tools for processing liquid or semi-liquid glass, plungers and plugs for producing hollow glassware and a device for inductive sintering or sealing in hard layers on plungers and plugs for producing hollow glassware. The aim of the invention is provide an environmentally-friendly means of producing the hard layers in terms of the coating material and energy used. To this end, a liquid or paste mixture of a coating material and a carrier liquid or paste is produced. Said liquid or paste mixture is then deposited onto a tool blank and dried. The mixture is subsequently sintered or sealed into said tool blank to form the hard layer. The inventive device (100) has an internally cooled induction coil (114) with at least 1 1/2 windings (540 DEG), and a displacement device (110) by which means the induction coil (114) and the plungers (112) or plugs can be displaced along an axis in relation to each other.

IPC 1-7

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IPC 8 full level

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