

A method for production of article from alloy based on metal with alloying element comprises stages of mix preparation of compound by providing of chemical reduction non-metal mother compound of basis metal, providing of chemical reduction non-metal mother compound of alloy element and subsequent mixing of mother compound of basis metal and mother compound of alloy element with formation mix of compounds. Mix of compounds in the further is reduced to metal alloy without melting of metal alloy. The stage of preparation or stage of chemical reduction comprises the stage of addition filler component. Metal alloy in the further is strengthened with obtaining of strengthened metal article without melting of metal alloy and without melting of strengthened metal article.