

ABSTRACT OF THE DISCLOSURE
**INJECTION MOLD INSERT AND METHOD OF MANUFACTURING THE
SAME**

5 The present invention discloses an injection mold insert and a method for manufacturing the
injection mold insert. The injection mold insert comprises of: a first metal structure (11); and a
second metal structure (12) which is wrapped in the first metal structure (11). The hardness of the
first metal structure (11) is higher than that of the second metal structure (12), and the thermal
conductivity of the second metal structure (12) is higher than that of the first metal structure (11).
10 At least one of the first metal structure (11) and the second metal structure (12) is made by heating
and molting metal powder, so that the first metal structure (11) and the second metal structure (12)
are sintered together without layering or infiltration. The method of the present invention is
suitable for manufacturing the injection mold insert with complex structures and the injection
mold insert with small dimensions.

15

[Fig.1]