

APPARATUS AND METHOD FOR FABRICATING MICROPHONE ASSEMBLY**ABSTRACT OF THE DISCLOSURE**

A microphone assembly is provided. An apparatus for
5 fabricating the microphone assembly includes a lower mold
attached to a bottom surface of a printed circuit board (PCB)
on which a microphone chip is mounted, an upper mold
installed on the PCB and including receiving spaces receiving
the microphone chips and an inlet for injecting a material;
10 and a material injector movably installed with respect to the
inlet to inject epoxy or silicon into the receiving spaces of
the upper mold. A method for fabricating the microphone
phone includes mounting microphone chips, installing the mold,
injecting the material, and cutting the PCB and producing the
15 microphone assembly. The microphone assembly is fabricated
in a transfer molding process or an injection molding process
using a mold to reduce the processing time required for
fabricating the microphone and fabricate high quality
microphone due to improvement of the workability and
20 productivity. In addition, the required back-chamber is
obtained by changing the shape of the microphone to allow the
microphone to change the sensitivity.

25 Figure 7