

NANO-APERTURE FABRICATION USING TEMPLATE GUIDED THERMAL DEWETTING

ABSTRACT

[0063] A method for fabrication of metal film with nanoapertures is provided. The method includes the steps of providing a nanopatterned template including a plurality of nanostructures, depositing of the metal film onto the nanopatterned template, and thermally induced dewetting of the metal film to define the nanoapertures in the metal film by diffusion and reflow of the metal film.

FIG. 1