

ABSTRACT

IDENTIFICATION AND CLASSIFICATION OF VIRUS PARTICLES IN TEXTURED
ELECTRON MICROGRAPHS

The method is for the identification and characterization of structures in electron micrographs. Structures in a first image are selected. The structures have a first shape type deformed in a first direction. The selected structures are transformed to a second shape type different from the first shape type. The transformed structures of the second shape type are used to form a plurality of templates. A new structure in a second image is identified. The new structure has the first shape type. The second shape type structure of each template is deformed in the first direction. It is determined which template is a preferred template that best matches the new structure.

Fig. 5A