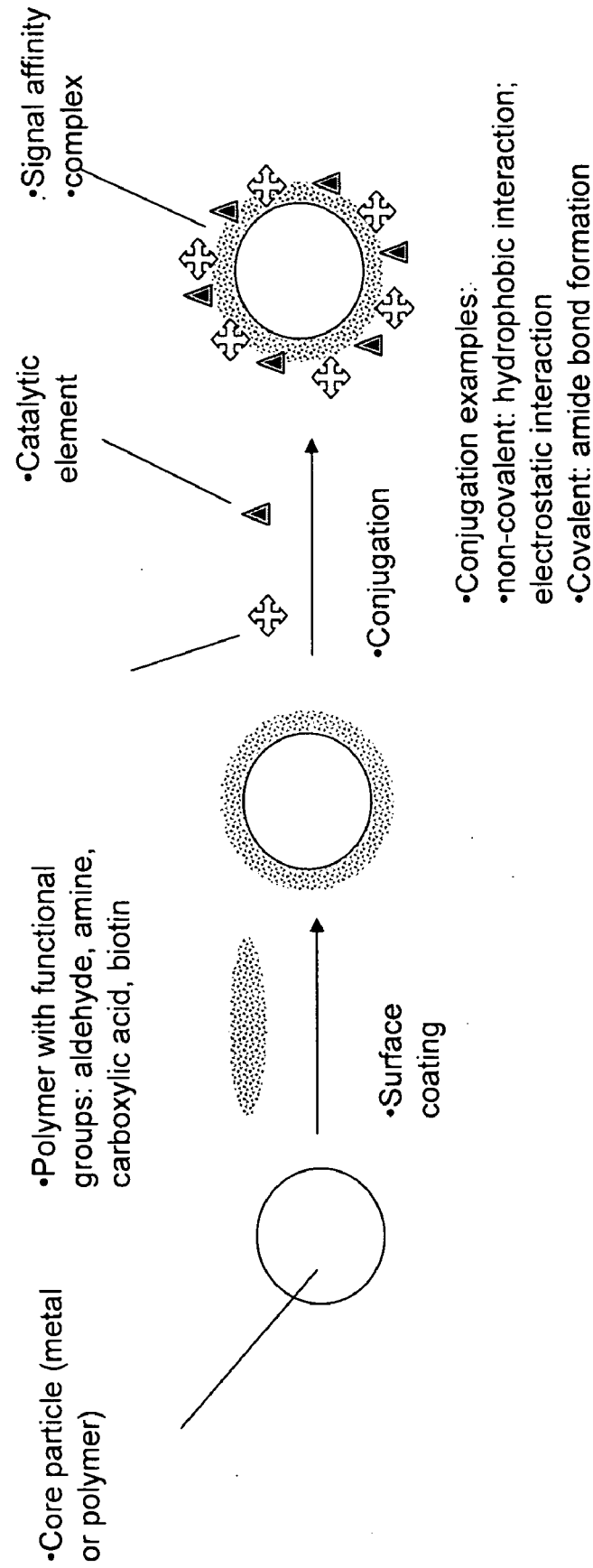
FIG. 10


•Core particle (metal or polymer)
•Polymer with functional groups: aldehyde, amine, carboxylic acid, biotin
•Surface coating
•Catalytic element
•Signal affinity •complex
•Conjugation
•Conjugation examples:
•non-covalent: hydrophobic interaction; electrostatic interaction
•Covalent: amide bond formation