

**P** PATENTED TECHNOLOGY

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ABSTRACT

#### ADVANTAGES AND INNOVATIVE ASPECTS

##### MAIN ADVANTAGES

- Generates a high volume of mesoporosity (up to 300% from initial porosity of original POM salt).
- Allows an homogeneous distribution of porosity within the solid matrix core.
- Reduces use of noble metals.
- Environment friendly.

##### INNOVATIVE ASPECTS

- New catalysts synthesis technique.
- Allows an easy control of volume, size and number of porous.

#### MARKET APPLICATIONS

The synthesis of new mesoporous solid based on POM has a great interest in sectors such as chemistry and chemical technology, as they provide a writeable surface where it is easy to control the functionality and the incorporation of catalysts (based on nanoparticles: noble metals and metal oxides). Moreover, they are more economical and environmentally less harmful.

#### COLLABORATION SOUGHT

The research group is looking for companies interested in acquiring this technology for its commercial exploitation.

- Type of partner sought: industries.
- Specific area of activity of the partner: catalysts synthesis, petrochemical, fine chemical, pharmacy...
- Task to be performed: technology licensing.