

A b s t r a c t

A metallic reaction tube having a catalytic coating and a tube-bundle reactor comprising coated reaction tubes are proposed, the coating containing a multimetal oxide material which is applied directly to the reaction tubes, in particular to the inner wall or walls of the reaction tubes. The reaction tube and the tube-bundle reactor are particularly suitable for use in the process for the preparation of (meth)acrolein and/or (meth)acrylic acid by catalytic gas-phase oxidation.