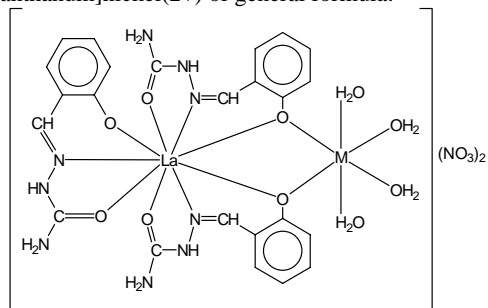


98-0235

The invention relates to the process for obtaining polycrystalline ceramics of cobalt and lanthanum nickelate with the perovskite structure resulting from coordinative heterometallic compounds. The obtained products can be utilized in the industry in the capacity of catalysts.

Summary of the invention consists in obtaining polycrystalline ceramics LaCoO_3 and LaNiO_3 with the perovskite structure by pyrolysis of the parent compounds, namely, the coordinative heterometallic compounds of the lanthanum cobalt or lanthanum nickel. In the capacity of parent compounds are used nitrate tetraaqua[tris(salicylidene-semicarbazonato)lanthanum]cobalt(2+) or nitrate tetraaqua[tris(salicylidene-semicarbazonato)lanthanum]nickel(2+) of general formula:



The pyrolysis of the parent compound runs during one hour at 800°C.

The technical result of the invention consists in lowering the temperature of the parent compound pyrolysis containing the precise ratio of metals necessary for ceramics obtaining.

Claims: 1