

Abstract:

The invention relates to a method for obtaining a wax from a pyrolysis residue, comprising the steps of (a) providing the pyrolysis residue, wherein the pyrolysis residue comprises the wax and a solid material, and wherein the solid material comprises an inorganic salt, a ceramic raw material, an asphaltene, a tar and/or a coke, (b) adding a solvent to the pyrolysis residue to obtain a high-solid mixture comprising the solid material and the solvent, wherein the wax is at least partially dissolved in the solvent, (c) separating at least a portion of the solid material from the high-solid mixture to obtain a low-solid mixture, and (d) separating at least a portion of the wax from the low-solid mixture. The invention further relates to a device for obtaining a wax from a pyrolysis residue using the method.