Claims:

1. A method for eliminating metal ions from a viscous organic solution, comprising a solvent or a mixture of organic solvents and a polymer or a mixture of polymers, the viscosity of which at 20°C is between 5 cP and 1000 cP, said method being characterized in that it comprises the steps consisting in placing a macroporous ion-exchange resin in a column, said resin comprising at least one acid resin of carboxylic type, based on a polystyrene divinylbenzene copolymer having active groups in carboxylic form (CO_2H), then in continuously passing the viscous organic solution over said ion-exchange resin.

2. The method as claimed in claim 1, characterized in that the resin is entirely composed of the acid resin of carboxylic type, based on a polystyrene divinylbenzene copolymer having active groups in carboxylic form (CO_2H).

3. The method as claimed in claim 1, characterized in that the contact time between the viscous organic solution and the ion-exchange resin is between 1 minute and 12 hours, preferably between 10 minutes and 4 hours.

4. The method as claimed in claim 1, characterized in that the ion-exchange resin has a porosity of between 100 Å and 600 Å.

5. The method as claimed in one of the preceding claims, characterized in that the ion-exchange resin has a specific surface area of between 20 and 600 m^2/g.

6. The method as claimed in one of the preceding claims, characterized in that the ion-exchange resin has an active group concentration of between 0.7 eq/l and 10eq/l and preferably of between 0.7 eq/l and 5 eq/l.

7. The method as claimed in claim 1, characterized in that the viscosity of the viscous organic solution is between 5 and 400 cP at 20°C.

8. The method as claimed in one of the preceding claims, characterized in that the viscous organic solution to be decontaminated is brought into contact with the ion-exchange resin at a temperature ranging from 18 to 120°C.

9. The method as claimed in any one of the preceding claims, characterized in that at least one other macroporous ion-exchange resin is placed in said column, and in that