

**SOLVENT AND ACID STABLE MEMBRANES, METHODS OF MANUFACTURE
THEREOF AND METHODS OF USE THEREOF INTER ALIA FOR SEPARATING
METAL IONS FROM LIQUID PROCESS STREAMS**

ABSTRACT

Solvent and acid stable ultrafiltration and nanofiltration membranes including a non-cross-linked base polymer having reactive pendant moieties, the base polymer being modified by forming a cross-linked skin onto a surface thereof, the skin being formed by a cross-linking reaction of reactive pendant moieties on the surface with an oligomer or another polymer as well as methods of manufacture and use thereof, including, inter alia separating metal ions from liquid process streams.

[FIG.1]