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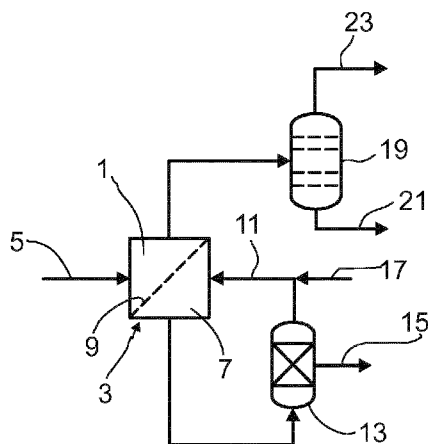
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(54) Title: PROCESS FOR WORKING-UP A REACTION MIXTURE COMPRISING POLYETHER POLYOL

FIG.1



(57) Abstract: The invention relates to a process for working-up a re-
action mixture (5) comprising polyetherol and dissolved alkali metal
comprising catalyst, wherein at least alkali metal ions of the dissolved
alkali metal comprising catalyst are partially or completely removed
from the mixture by a membrane separation process, the process com-
prising following steps: (a) feeding the reaction mixture (5) comprising
polyetherol and dissolved alkali metal comprising catalyst into a first
chamber (1) of a separation unit (3), (b) feeding a solvent into a
second chamber (7) of the separation unit (3), the first chamber (1) and
the second chamber (7) being separated by a membrane (9), (c) trans-
porting at least the alkali metal ions of the alkali metal comprising
catalyst from the first chamber (1) into the second chamber (7) by passing
through the membrane (9).



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