

METHODS, SYSTEMS, AND DEVICES FOR SYNTHESIS GAS RECAPTURE

ABSTRACT OF THE DISCLOSURE

5 Methods, systems, and/or devices for synthesis gas recapture are
provided, which may include methods, systems, and/or devices for filtering a synthesis
gas stream. In some cases, tars, particulates, water, and/or heat may be removed
from the synthesis gas stream through the filtering of the synthesis gas stream. The
filtered synthesis gas stream may then be captured and/or utilized in a variety of
different ways. Some embodiments utilizing a C-O-H compound to filter a synthesis
10 gas stream. In some embodiments, the C-O-H compound utilized to filter the synthesis
gas stream may be utilized to produce additional synthesis gas. The additional
synthesis gas may be filtered by additional C-O-H compound.

[Fig.8B]

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