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(54) **METHOD OF INCREASING MASS TRANSFER RATE OF ACID GAS SCRUBBING SOLVENTS**

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CPC ***B01D 53/8681*** (2013.01); ***B01D 53/1475*** (2013.01); ***B01D 53/1493*** (2013.01); ***C07F 3/003*** (2013.01); ***C07F 9/5456*** (2013.01); ***C07F 9/5463*** (2013.01); ***C07F 15/065*** (2013.01); *B01D 2252/20431* (2013.01); *B01D 2252/20442* (2013.01); *B01D 2252/20447* (2013.01); *B01D 2252/20452* (2013.01); *B01D 2252/20484* (2013.01); *B01D 2252/20489* (2013.01); *B01D 2252/602* (2013.01); *B01D 2256/245* (2013.01); *B01D 2257/504* (2013.01); *Y02C 10/06* (2013.01); *Y02P 20/152* (2015.11)

(58) **Field of Classification Search**

None

See application file for complete search history.

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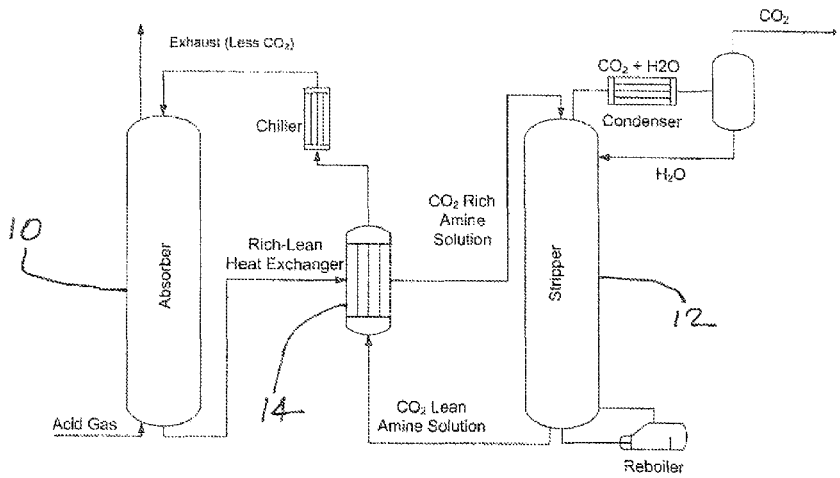
(57) **ABSTRACT**

A method of increasing the overall mass transfer rate of acid gas scrubbing solids is disclosed. Various catalyst compounds for that purpose are also disclosed.

6 Claims, 6 Drawing Sheets