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(21) International Application Number: PCT/US98/15016 (22) International Filing Date: 21 July 1998 (21.07.98) (30) Priority Data: 08/920,276 22 August 1997 (22.08.97) US (71) Applicant: BETZDEARBORN INC. [US/US]; 4636 Somerton Road, P.O. Box 3002, Trevose, PA 19053-6783 (US). (72) Inventor: MINEVSKI, Ljiljana, V.; 156 West Woodstock, The Woodlands, TX 77381 (US). (74) Agents: SMITH, Matthew, W. et al.; BetzDearborn, Inc., 4636 Somerton Road, Trevose, PA 19053-6783 (US).		(81) Designated States: BR, CA, ID, KR, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>With amended claims.</i>
(54) Title: CORROSION INHIBITOR FOR ALKANOLAMINE UNITS $\begin{array}{c} R_1 \\ \diagdown \\ N - C = R \\ \diagup \\ R_2 \end{array} \quad \begin{array}{c} R \\ \\ C \\ \\ N \end{array} \quad \begin{array}{c} R_4 \\ \diagup \\ N \\ \diagdown \\ R_3 \end{array}$ (I) (57) Abstract The corrosion of metals in contact with aqueous alkanolamine solution in acid gas removal units is inhibited by maintaining in the alkanolamine solution a corrosion inhibiting amount of a compound having formula (I) where R is S or O, and R₁, R₂, R₃ and R₄ are independently H, C₁ to C₈ alkyl, C₁ to C₈ alkenyl, C₆ to C₁₀ aryl, C₇ to C₁₂ alkaryl, C₇ to C₁₂ aralkyl, C₃ to C₁₀ cycloalkyl, C₁ to C₈ thiophene, or amino groups. The alkanedithiol is useful for inhibiting the corrosion of metals in both the acid gas rich and lean portions of the acid gas removal unit.		