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(21) International Application Number: PCT/US97/13979 (22) International Filing Date: 12 August 1997 (12.08.97) (30) Priority Data: 08/715,207 17 September 1996 (17.09.96) US (71) Applicant: MINNESOTA MINING AND MANUFACTURING COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US). (72) Inventors: MILBRATH, Dean, S.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). GRENFELL, Mark, W.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). KRUEGER, Daniel, D.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). FLYNN, Richard, M.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). BEHR, Frederick, E.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). (74) Agents: BURTIS, John, A. et al.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).		(81) Designated States: AU, CA, JP, KR, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>

(54) Title: COMPOSITION FOR CUTTING OR ABRASIVE WORKING OF METAL

(57) Abstract

In one aspect, this invention provides a composition for the cutting and abrasive treatment of metals and ceramic materials comprising a hydrofluoroether and a lubricious additive. In another aspect, the present invention provides a method of cutting and abrasively treating metals and ceramic materials comprising applying to the metal or ceramic workpiece and tool a composition comprising a hydrofluoroether, and a lubricious additive.

