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(21) International Application Number: PCT/US98/15303 (22) International Filing Date: 23 July 1998 (23.07.98) (30) Priority Data: 60/053,783 25 July 1997 (25.07.97) US (71) Applicant (for all designated States except US): SEAGATE TECHNOLOGY, INC. [US/US]; 920 Disc Drive, P.O. Box 66360, Scotts Valley, CA 95067-0360 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): STIRNIMAN, Michael, J. [US/US]; 3333 Shadow Leaf Drive, San Jose, CA 95132 (US). (74) Agent: HANKINS, John, A.; McDermott, Will & Emery, 600 13th Street, N.W., Washington, DC 20005-3096 (US).		(81) Designated States: CN, DE, GB, JP, KR, SG, US. Published <i>With international search report.</i>
(54) Title: METHOD AND APPARATUS FOR ZONE LUBRICATION OF MAGNETIC MEDIA (57) Abstract Solvent-free lubrication of thin film magnetic media, such as magnetic discs, is implemented by applying collimated and/or non-collimated beams of lubricant molecules, including polymeric lubricants having a known and narrow molecular weight distribution to selected regions of the media surface, such as the landing zone. Embodiments include providing <i>in-situ</i> and on-demand fractionation of polymeric lubricants.		