	1-	/		
[54]	METHOD AND APPARATUS FOR EXTRUDING GLASS TUBES			
[75]	Inventors:	Alexander Coucoulas, Bridgewater Township, Somerset County; Carroll D. Spainhour, Princeton Township, Mercer County, both of N.J.		
[73]	Assignee:	Western Electric Company, Inc., New York, N.Y.		
[21]	Appl. No.:	324,336		
[22]	Filed:	Nov. 23, 1981		
[51] [52]	Int. Cl. ³ U.S. Cl			
[58]	Field of Sea	65/29, 86, 108, 110, 65/164, 187		
[56] References Cited				
U.S. PATENT DOCUMENTS				
		959 Schweickert et al		

Wilhelmus et al. 250/222 R

3,935,059 1/1976 Ayel 156/620

4/1975

3,876,877

4,118,212	10/1978	Aulich et al 65/13
4,195,982	4/1980	Coucoulas et al 65/134
4,217,027	8/1980	MacChesney et al 350/96.3

OTHER PUBLICATIONS

"Extrusion of Fused Silica Cladding Tubes", Coucoulas, Technical Digest of the Third International Conference on Integrated Optics and Optical Fiber Communication, p. 112, Apr. 1981.

Primary Examiner—Robert L. Lindsay, Jr. Attorney, Agent, or Firm—D. J. Kirk

[57] ABSTRACT

A glass tube extrusion apparatus (50) is comprised of a chamber (52) having a crucible (72) therein mounted within and spaced from an inductive heating coil (77). As a glass tube (170) is extruded from an annular opening (74) in the bottom of the crucible (72) the tube is monitored for bending. When a bend starts to occur an X-Y motion apparatus (54) is activated to move the crucible (72) laterally within the coil (77) in a direction opposite to the bend to straighten the tube (170).

5 Claims, 4 Drawing Figures

