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[21] Application No.: GCC/P/2000/1111 [22] Filing Date: 19/12/2000 [30] Priority: [31] Priority No. [32] Priority date [33] State 1013944 1999/12/23 NL [72] Inventors: 1- Marinus Jacob De Fouw, 2- Antonius Henricus Elisabeth Breuls [73] Owner: Plasma Optical Fibre B. V., 5651 Ca Eindhoven, The Netherlands [74] Agent: Suleiman Ibrahim Al Ammar	[51] Int.Cl. ⁷ : C03B 37/018 [56] Cited Documents: - US 4292341 A (D. MARCUSE et al.) 29 September 1981 - US 4161656 A (D. MARCUSE et al.) 17 July 1979 - DE 3834011 A (STANDARD ELEKTRIK LORENZ AG.) 12 April 1990 - JP 57042552 A (NT&T CORP.) 10 March 1982

[54] METHOD OF MANUFACTURING A PREFORM EXHIBITING A PRECISELY DEFINED REFRACTIVE INDEX PROFILE BY MEANS OF A CHEMICAL VAPOUR DEPOSITION (CVD) TECHNIQUE

[57] Abstract: The present invention relates to a method of applying glass layers, which may or may not be doped, to the interior of a substrate tube by means of a chemical vapour deposition (CVD) technique, using a reactive gas mixture, in order to obtain a preform that exhibits a precisely defined refractive index profile, which method comprises a number of steps.

No. of claims: 9