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(21) International Application Number: PCT/GB97/01134 (22) International Filing Date: 24 April 1997 (24.04.97) (30) Priority Data: 96303141.4 3 May 1996 (03.05.96) EP (34) Countries for which the regional or international application was filed: AT et al. (71) Applicant (for all designated States except US): BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY [GB/GB]; 81 Newgate Street, London EC1A 7AJ (GB). (72) Inventor; and (75) Inventor/Applicant (for US only): HOVELL, Simon, Alexander [GB/GB]; 17 Westminster Close, Ipswich, Suffolk IP4 5EF (GB). (74) Agent: LENG, Francis, Edward; BT Group Legal Services, Intellectual Property Dept., 8th floor, 120 Holborn, London EC1N 2TE (GB).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report.
(54) Title: AUTOMATIC SPEECH RECOGNITION		
(57) Abstract Speech recognition is carried out by matching parameterised speech with a dynamically extended network of paths comprising model linguistic elements (12b, 12c). The units are context related, e.g. triphones. Some elements cannot be converted to models at the time when it is necessary to incorporate the element into the paths because the context is not defined at the relevant time. In order to allow transfer the element is transferred as a place marker (21, 22, 23, 24) which is converted when a later extension completes the definition of the triphone. The place markers (12a) can be used to identify the locations for subsequent extensions.		