



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 426 926 A2**

(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
09.06.2004 Bulletin 2004/24

(51) Int Cl.7: **G10L 21/04**

(21) Application number: **03257650.6**

(22) Date of filing: **04.12.2003**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR**
Designated Extension States:
AL LT LV MK

(72) Inventor: **Elshafei, Moustafa
Ottawa, Ontario (CA)**

(30) Priority: **04.12.2002 GB 0228245**

(74) Representative: **Naismith, Robert Stewart et al
CRUIKSHANK & FAIRWEATHER
19 Royal Exchange Square
Glasgow, G1 3AE Scotland (GB)**

(71) Applicant: **Mitel Knowledge Corporation
Ottawa, Ontario K2K 2W7 (CA)**

(54) **Apparatus and method for changing the playback rate of recorded speech**

(57) An apparatus (10) for changing the playback rate of recorded speech includes memory (16) storing a plurality of recorded speech messages and a plurality of feature tables (FT₁ to FT_N). Each feature table is associated with an individual one of the speech messages and includes speech frame parameters based on the jitter states of speech frames of the associated recorded speech message. A playback module (12) receives input specifying a recorded speech message in the mem-

ory (16) to be played and the rate at which the recorded speech message is to be played back. In response to the input, the playback module (12) uses a set of decision rules to modify the specified speech message based on the speech frame parameters in the feature table associated with the specified speech message and the specified playback rate, prior to playing back the specified speech message.

EP 1 426 926 A2

