

1	LINGUISTICS	236	..Specialized equations or comparisons
2	..Translation machine		
3	..Having particular Input/Output device	237	...Correlation
		238	...Distance
4	..Based on phrase, clause, or idiom	239	...Similarity
		240	...Probability
5	..For partial translation	241	...Dynamic time warping
6	..Punctuation	242	...Viterbi trellis
7	..Storage or retrieval of data	243	..Creating patterns for matching
8	..Multilingual or national language support	244	...Update patterns
		245	...Clustering
9	..Natural language	246	..Voice recognition
10	..Dictionary building, modification, or prioritization	247	...Preliminary matching
		248	...Endpoint detection
		249	...Subportions
200	SPEECH SIGNAL PROCESSING	250	...Specialized models
200.1	..Psychoacoustic	251	..Word recognition
201	..For storage or transmission	252	...Preliminary matching
202	..Neural network	253	...Endpoint detection
203	..Transformation	254	...Subportions
204	..Orthogonal functions	255	...Specialized models
205	..Frequency	256	....Markov
206	...Specialized information	256.1	.....Hidden Markov Model (HMM) (EPO)
207	....Pitch		
208	.....Voiced or unvoiced	256.2	.....Training of HMM (EPO)
209	....Formant	256.3	.....With insufficient amount of training data, e.g., state sharing, tying, deleted interpolation (EPO)
210	....Silence decision		
211	..Time		
212	...Pulse code modulation (PCM)		
213	...Zero crossing	256.4	.....Duration modeling in HMM, e.g., semi HMM, segmental models, transition probabilities (EPO)
214	...Voiced or unvoiced		
215	...Silence decision		
216	...Correlation function		
217	....Autocorrelation	256.5	.....Hidden Markov (HM) network (EPO)
218	....Cross-correlation		
219	..Linear prediction	256.6	.....State emission probability (EPO)
220	..Analysis by synthesis		
221	..Pattern matching vocoders	256.7	.....Continuous density, e.g, Gaussian distribution, Lapalce (EPO)
222	..Vector quantization		
223	...Excitation patterns		
224	..Normalizing	256.8	.....Discrete density, e.g., Vector Quantization preprocessor, look up tables (EPO)
225	..Gain control		
226	..Noise		
227	...Pretransmission	257	...Natural language
228	...Post-transmission	258	..Synthesis
229	..Adaptive bit allocation	259	..Neural network
230	..Quantization	260	..Image to speech
231	..Recognition	261	..Vocal tract model
232	..Neural network	262	..Linear prediction
233	..Detect speech in noise	263	..Correlation
234	..Normalizing	264	..Excitation
235	..Speech to image	265	..Interpolation

266 ..Specialized model
267 ..Time element
268 ..Frequency element
269 ..Transformation
270 ..Application
270.1 ..Speech assisted network
271 ..Handicap aid
272 ..Novelty item
273 ..Security system
274 ..Warning/alarm system
275 ..Speech controlled system
276 ..Pattern display
277 ..Translation
278 ..Sound editing
500 **AUDIO SIGNAL BANDWIDTH
COMPRESSION OR EXPANSION**
501 ..With content reduction encoding
502 ..Delay line
503 **AUDIO SIGNAL TIME COMPRESSION OR
EXPANSION (E.G., RUN LENGTH
CODING)**
504 ..With content reduction encoding

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