Vocoder, Atotune

i Talkbox
Vocoder (Voice Encoder) – system analizy/syntezy mowy.
Po raz pierwszy użyty podczas II ws w projekcie:
The Voder (Voice Operating Demonstrator)

Fig. 8—Schematic circuit of the voder.
"VOICE BOX" with vacuum tubes, filter circuits, and auxiliaries

Ten electrical filters, actuated by white keys, pick out and blend the frequencies to be heard. For a vowel, like "A", "E", or "O", from one to four ranges of frequencies are used.

"Buzzer" tube for vowel sounds formed by vocal cords.

"Hissing" tube for consonant sounds formed by breath in mouth cavity.

Wrist bar switches from vowels to consonants or reverse.

Controls Manipulated by Operator

Ten white keys produce vowels and some consonants by sounding selected frequencies or "overtones" produced by vacuum tubes.

Three black keys produce "STOP CONSONANTS" like "D", "K", and "P".

Pitch-control knob pre-sets apparatus for male or female voice.

Pitch-control pedal produces rising or falling inflection.

Power supply

Loudspeaker
Nowoczesne Vocoder

Parametry:
- Form
- Min/Max
- Scale (Lin lub Log)
- Invert
- Bendwidth
- Bands (4,8,16,32,64,128)
- Filter (1,2,3)
Vocoder w muzyce i filmie

- Pink Floyd – Animals – Dogs (4:50...)
- Kraftwerk – Computer World - Numbers
- Intergalactic
- Transformers - Soundwave
Autotune

Harold 'dr Andy' Hildebrand
Autotune – zasada działania
Autotune – zasada działania
Autotune – Rewolucja
Talkbox
Alvino Rey
Mikrofon krtaniowy
Sonovox
Pete Drake's Talking Steel Guitar
Kustom Electronics Talk Box „The Bag“
Heil Talkbox

**THE TALK BOX**
**MODEL HT-1**

Stand close to the mic. Insert the tube loosely between your teeth, shaping your mouth into words without sound. The instrument provides the sound. The filtering characteristics of your mouth alters the Talk Box sound. Biting down on the tube stops the sound.

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**Basic Set-up**

![Diagram of Basic Set-up]

- Tube
- PTA IN
- AMP IN
- SPRK IN
- SPRK OUT

**Typical Pro Set-up**

![Diagram of Typical Pro Set-up]

- SPEAKER IN
- AMP IN
- AMP IN
- SPRK IN
- SPRK IN
- SPRK OUT

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**Caution:** Use low power amp in conjunction with the Talk Box. Excessive volume/power may cause damage to the Talk Box or physical discomfort. To increase overall volume use your PA/microphone volume controls. DO NOT exceed 100 watts peak on the amp’s output level to the Talk Box.

**Manufactured by:**

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Dziękujemy za uwagę