DYNAMICS PROCESSING SYSTEM
ARNOLD DREYBLATT

MIXER

OUTPUTS
(A) GATED OUTPUTS
(B) THRU (UNGATED) OUTPUTS
(C) CONTROL (KEY) THRU OUTPUTS

LEDS DISPLAY FUNCTIONING
VCA's CAN BE SLAVED (ganged) in series

CI - CONTROL (KEY) INPUT
SI - SIGNAL (GATED) INPUT
BAND PASS FILTERS ON CONTROL INPUT

FUNCTION (PARAMETER PROGRAMMING)
PATCH ASSIGN
INPUT SIGNAL LEVEL PROGRAMMING

VCA PARAMETERS: ATTACK, GAIN (HOLD), RATIO (RANGE), THRESHOLD, RELEASE (DECAY), BYPASS

PATCH ASSIGN: "SIGNAL INPUTS" ROUTED TO INDIVIDUAL "VCA CONTROL OR SIGNAL INPUTS"

INPUT SIGNAL LEVELS (GAIN) - PROGRAMMABILITY?
OUTPUT SIGNALS ON-OFF SWITCHABLE

MEMORY PATCH SYSTEM
(STEP-THRU PATCH MEMORY)

SIGNAL SOURCES:
LIVE SOURCES
TAPE SOURCES

STEREO OUTPUT!

TRIGGERS
MIDI NOTE COMMAND?

PROCESSORS
include other Envelope followers
BAND PASS FILTERS PROGRAMMABLE

PATCHES
STEP-THRU CALLED UP BY MIDI?

NOTE:
PATCH SYSTEM ACTUALLY CONTROLS ALL INPUTS AND OUTPUTS TO VCA'S IN THE DIAGRAM I SHOW IN LINEAR FASHION!

OTHER THOUGHTS:
Trigger Parameters:
Re-trigger time
Re-trigger level
other re-trigger modes

Ducker: one signal attenuated in the presence of another

Envelope Sampling:
record samples of input sounds to be imposed on subsequent gated sounds

Modulating waveforms:
for panning and amplitude modulation effects

Automatic Fade Function
Include other processors? such as Envelope followers
MIDI: Patches called up by Midi Signals; Opening of gate gives out midi note commands.