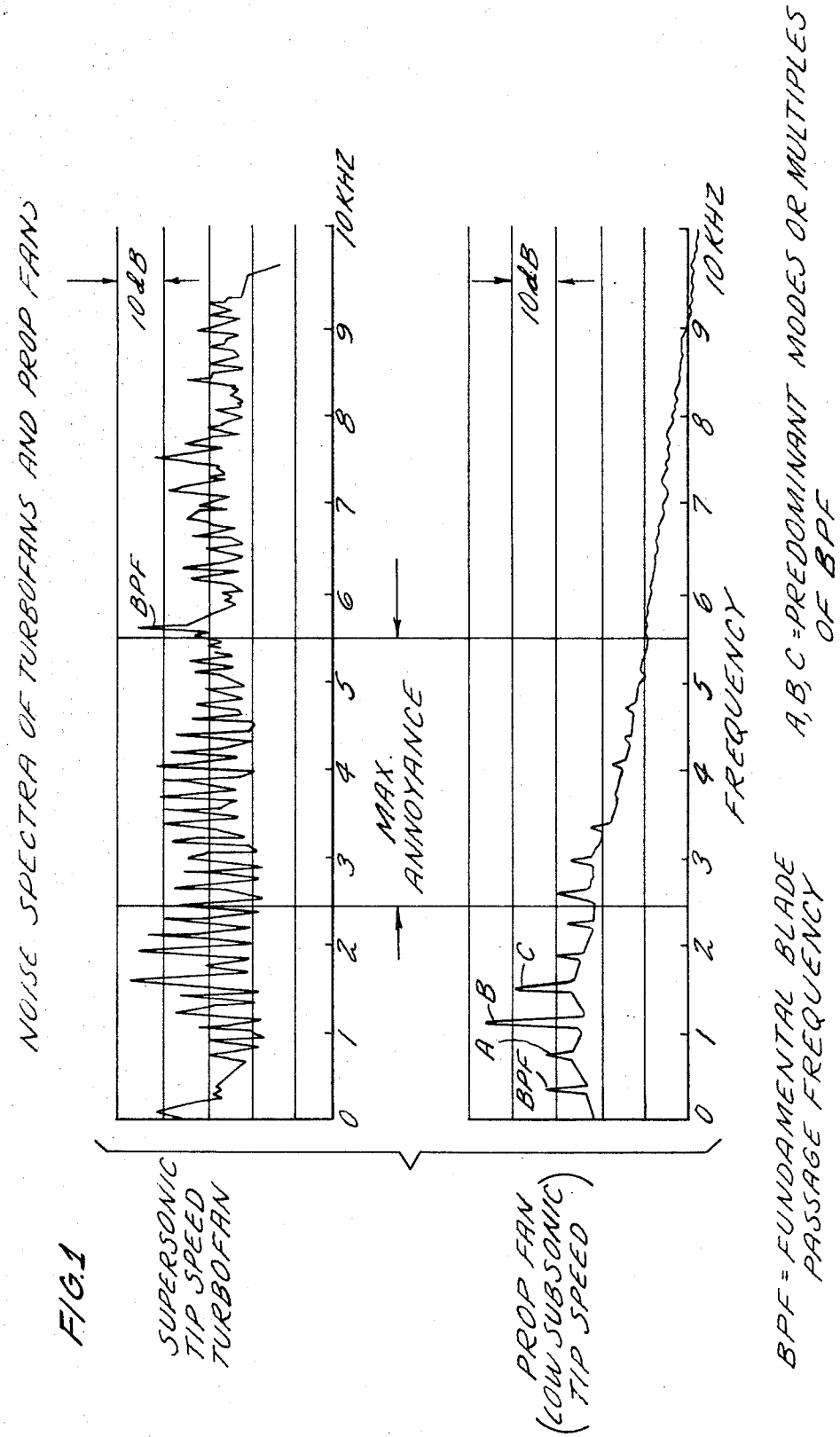
NOISE SPECTRA OF TURBOFANS AND PROP FANS
SUPERSONIC TIP SPEED TURBOFAN
PROP FAN (LOW SUBSONIC TIP SPEED)
10dB
BPF
MAX. ANNOYANCE
A
B
C
0
1
2
3
4
5
6
7
8
9
10KHZ
FREQUENCY
BPF = FUNDAMENTAL BLADE PASSAGE FREQUENCY
A, B, C = PREDOMINANT MODES OR MULTIPLES OF BPF

FIG. 1