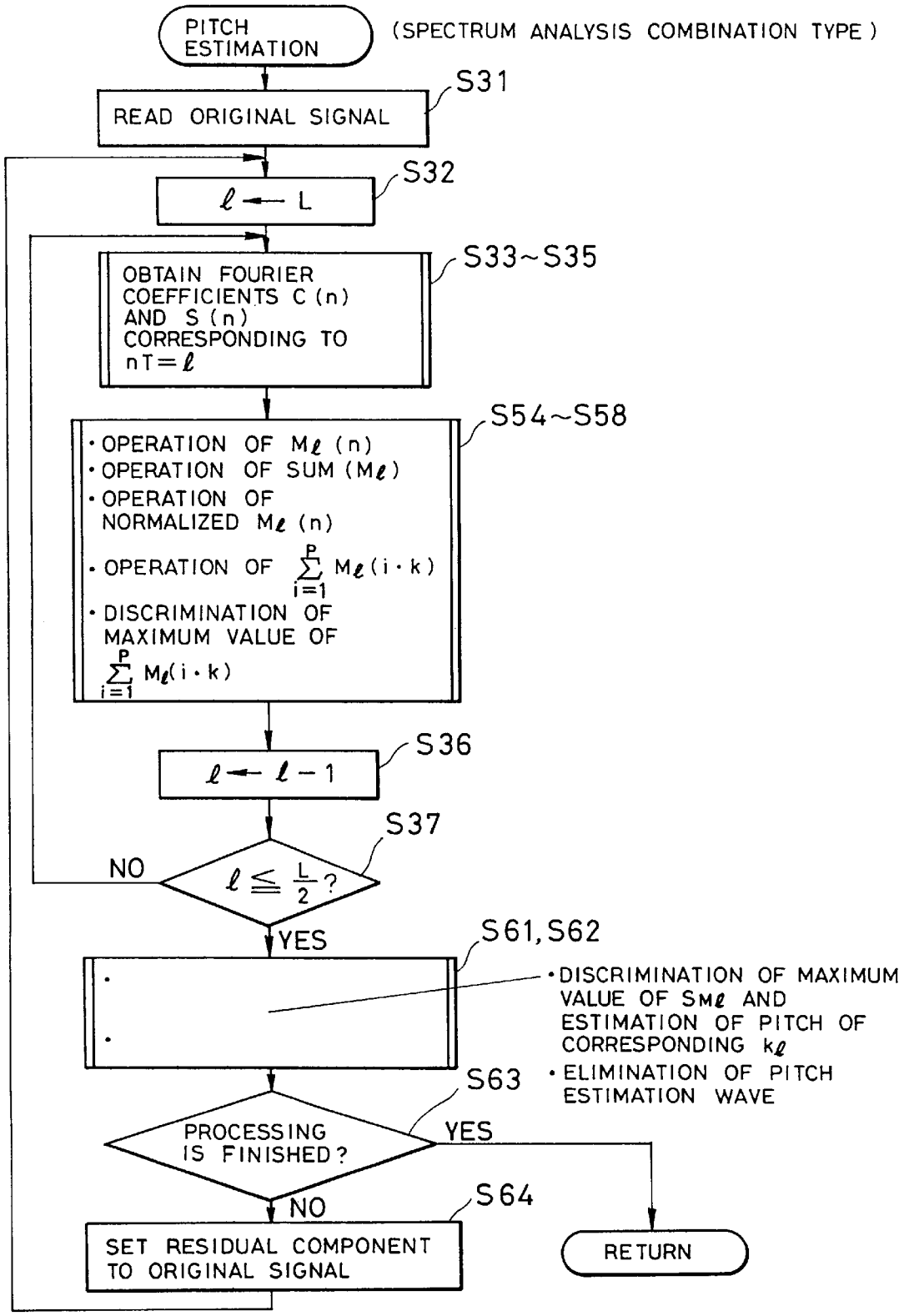
FIG.12


PITCH ESTIMATION
(SPECTRUM ANALYSIS COMBINATION TYPE)
S31
READ ORIGINAL SIGNAL
S32
ℓ ← L
S33~S35
OBTAIN FOURIER COEFFICIENTS C(n) AND S(n) CORRESPONDING TO nT=ℓ
S54~S58
• OPERATION OF Mℓ(n)
• OPERATION OF SUM(Mℓ)
• OPERATION OF NORMALIZED Mℓ(n)
• OPERATION OF Σ_{i=1}^{P} Mℓ(i·k)
• DISCRIMINATION OF MAXIMUM VALUE OF Σ_{i=1}^{P} Mℓ(i·k)
S36
ℓ ← ℓ − 1
S37
ℓ ≦ L/2 ?
NO
YES
S61,S62
• DISCRIMINATION OF MAXIMUM VALUE OF Smℓ AND ESTIMATION OF PITCH OF CORRESPONDING kℓ
• ELIMINATION OF PITCH ESTIMATION WAVE
S63
PROCESSING IS FINISHED?
YES
NO
S64
SET RESIDUAL COMPONENT TO ORIGINAL SIGNAL
RETURN