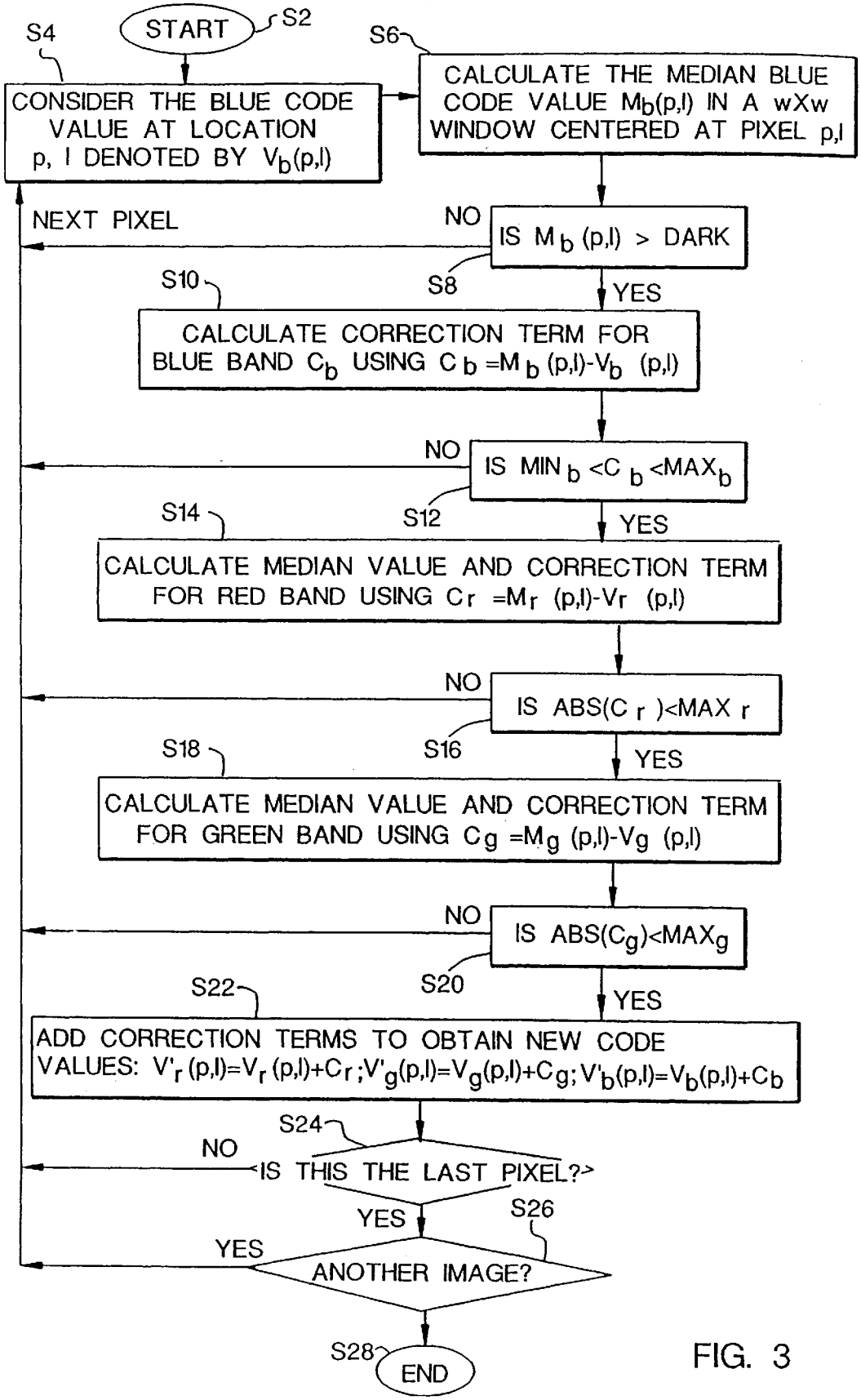
START
S2
S4
CONSIDER THE BLUE CODE VALUE AT LOCATION p, l DENOTED BY $V_b(p,l)$
S6
CALCULATE THE MEDIAN BLUE CODE VALUE $M_b(p,l)$ IN A wXw WINDOW CENTERED AT PIXEL p,l
NEXT PIXEL
NO
IS $M_b(p,l) > DARK$
S8
YES
S10
CALCULATE CORRECTION TERM FOR BLUE BAND C_b USING $C_b = M_b(p,l) - V_b(p,l)$
NO
IS $MIN_b < C_b < MAX_b$
S12
YES
S14
CALCULATE MEDIAN VALUE AND CORRECTION TERM FOR RED BAND USING $C_r = M_r(p,l) - V_r(p,l)$
NO
IS $ABS(C_r) < MAX_r$
S16
YES
S18
CALCULATE MEDIAN VALUE AND CORRECTION TERM FOR GREEN BAND USING $C_g = M_g(p,l) - V_g(p,l)$
NO
IS $ABS(C_g) < MAX_g$
S20
YES
S22
ADD CORRECTION TERMS TO OBTAIN NEW CODE VALUES: $V'_r(p,l) = V_r(p,l) + C_r$; $V'_g(p,l) = V_g(p,l) + C_g$; $V'_b(p,l) = V_b(p,l) + C_b$
S24
NO
IS THIS THE LAST PIXEL?
YES
S26
YES
ANOTHER IMAGE?
S28
END

FIG. 3