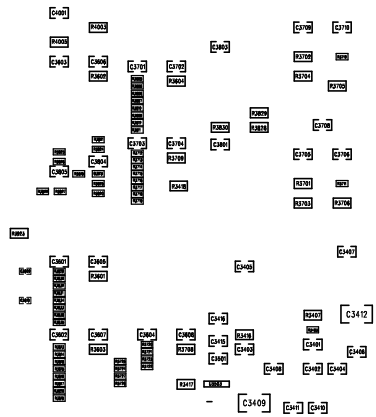


☐ R3410   
 ☐ R3420   
 ☐ R3432   
 ☐ R4407   
 ☐ R4408   
 ☐ R4409

U4004  
C4007

Figure 10: The 128-bit key schedule of the proposed cipher. The diagram illustrates the key schedule for a 128-bit key, showing the derivation of round keys from the master key. The master key is split into four 32-bit halves, labeled  $K_1, K_2, K_3, K_4$ . These are combined with function blocks  $F_1, F_2, F_3, F_4$  to produce the round keys  $K_1, K_2, K_3, K_4$ . The round keys are then used in the encryption process, with the final output being the ciphertext  $C$ . The diagram also shows the key schedule for the decryption process, where the round keys are used in reverse order.

[illegible]

SECONDARY SIDE