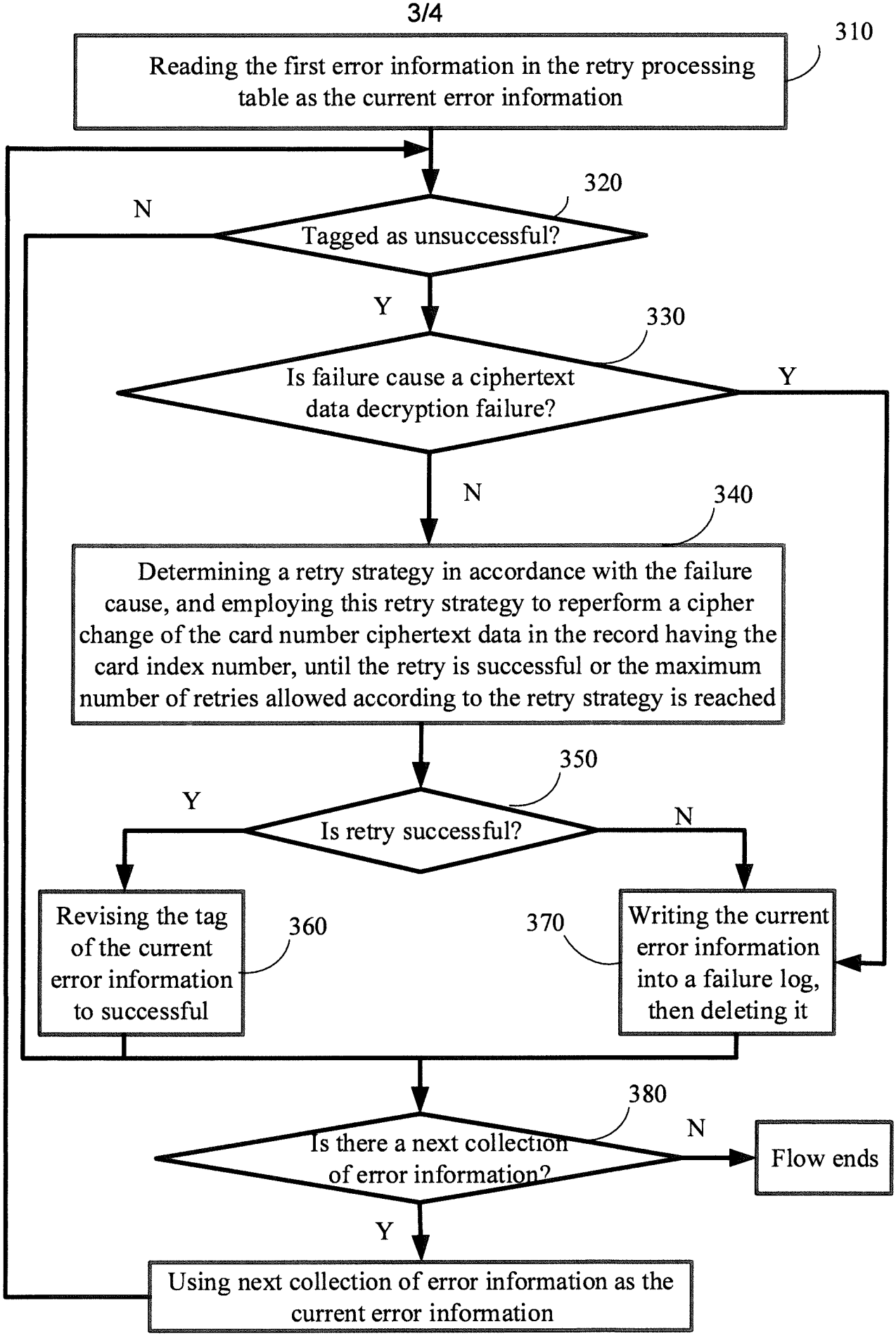

Reading the first error information in the retry processing table as the current error information
310
320
Tagged as unsuccessful?
N
Y
330
Is failure cause a ciphertext data decryption failure?
Y
N
340
Determining a retry strategy in accordance with the failure cause, and employing this retry strategy to reperform a cipher change of the card number ciphertext data in the record having the card index number, until the retry is successful or the maximum number of retries allowed according to the retry strategy is reached
350
Is retry successful?
Y
N
Revising the tag of the current error information to successful
360
370
Writing the current error information into a failure log, then deleting it
380
Is there a next collection of error information?
N
Flow ends
Y
Using next collection of error information as the current error information

FIG. 3