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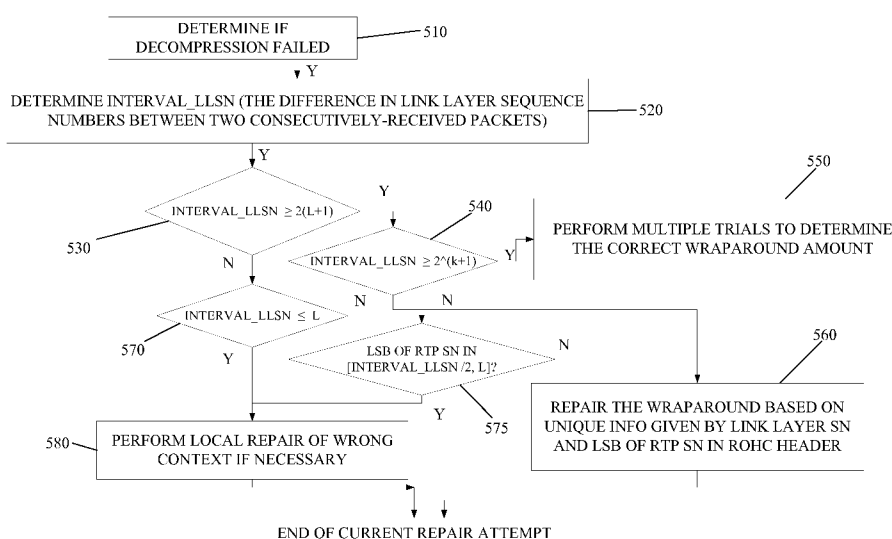
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(57) Abstract: Methods and systems to enhance local repair in robust header compression (RoHC) decompressors (110, 114), which may improve network transmission efficiency and quality. One method uses lower layer information to enhance local repair at the decompressor (110, 114). Another method uses a user datagram protocol (UDP) checksum to enhance local repair at the decompressor (110, 114).