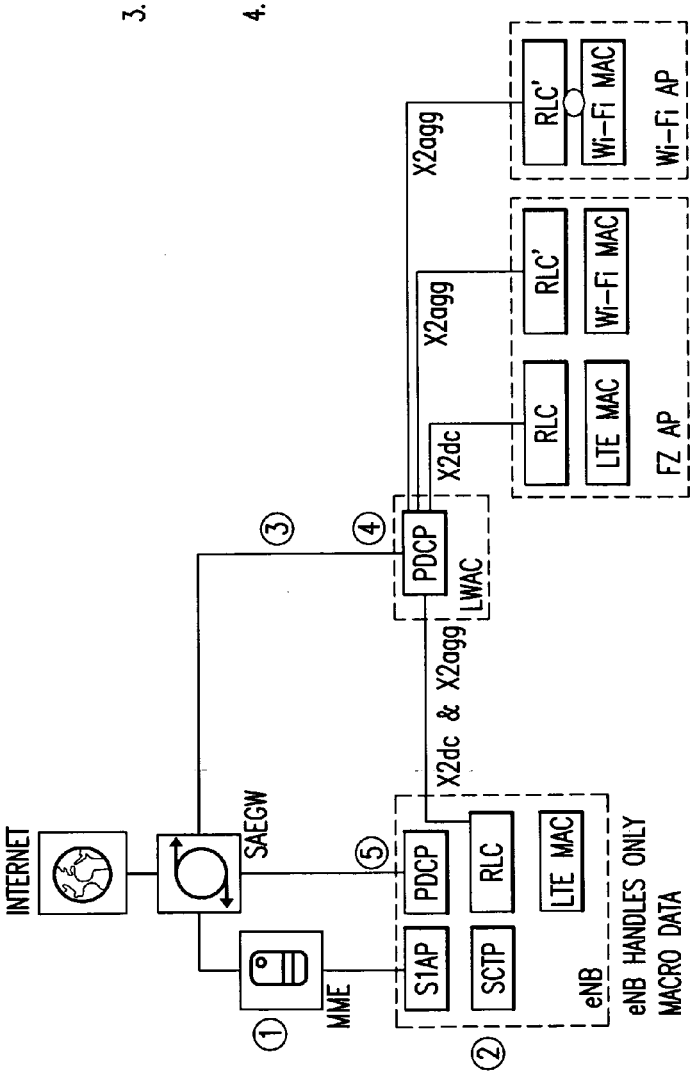

ON HIGH LEVEL:

1. MME ESTABLISHES DEDICATED EPS BEARER
2. eNB DECIDES TO USE AGGREGATION AND RETURNS LWAC TRANSPORT ADDRESS AND TEID TO MME
   - DECISION BASED ON UE CAPABILITY, Wi-Fi AVAILABILITY, OPERATOR POLICY, eNB LOAD/RF etc.
3. SAEGW STARTS SENDING GTP-U PACKETS TO LWAC RELATED TO THE DEDICATED EPS BEARER
4. LWAC COORDINATES AGGREGATION
   - SENDS PDCP (OR RLC) PDUs TO LTE OR Wi-Fi BASED ON RF, LOAD, THROUGHPUT, DELAY etc.
   - Wi-Fi RLC' IS A NEW SW BLOCK ENABLING PDCP TO OPERATE (e.g., NOTIFICATION OF LOST BLOCKS, RF, LOAD etc.)
   - PDCP MAY NEED TO PERFORM PDCP PDU RETRANSMISSION OVER LTE IF RELIABLE TRANSMISSION IS EXPECTED AND Wi-Fi LOST THE PDU
   - eNB RLC HAS NEW API FOR AGGREGATION OR eNB PDCP OPERATES IN "TRANSPARENT MODE" FOR AGGREGATED TRAFFIC
5. EPS BEARER RECONFIG TO eNB CAN BE USE TO TERMINATE AGGREGATION

FIG.5