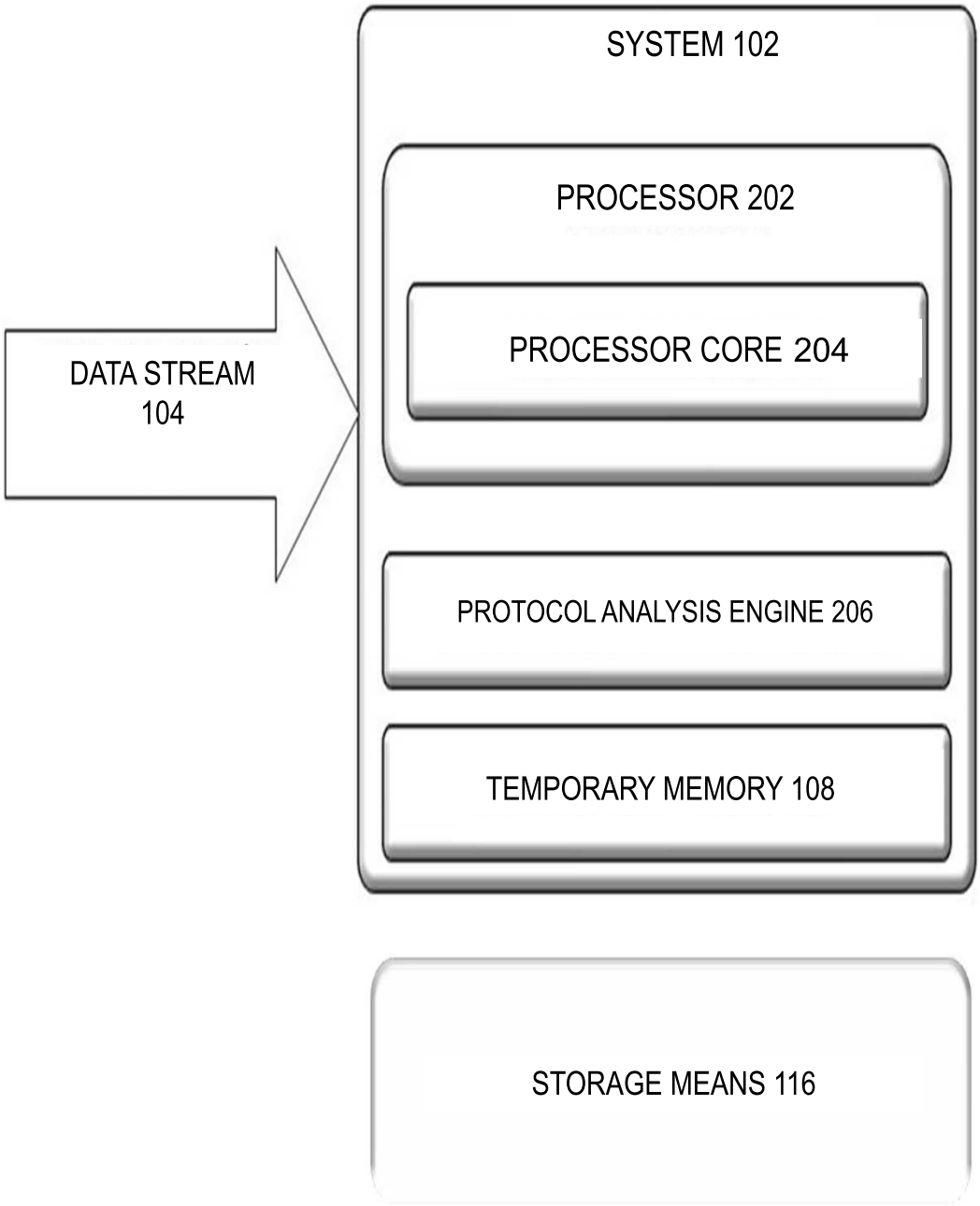
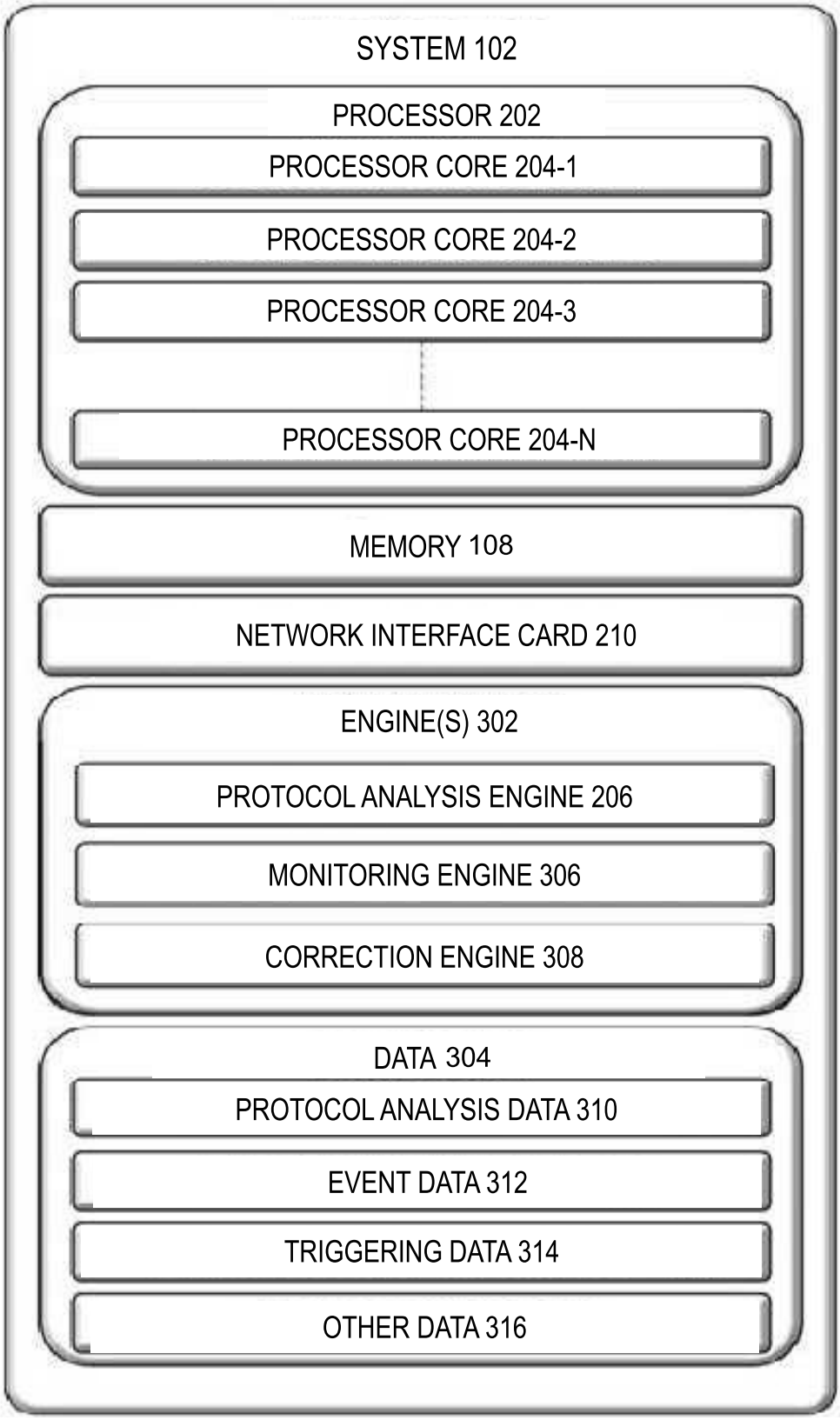
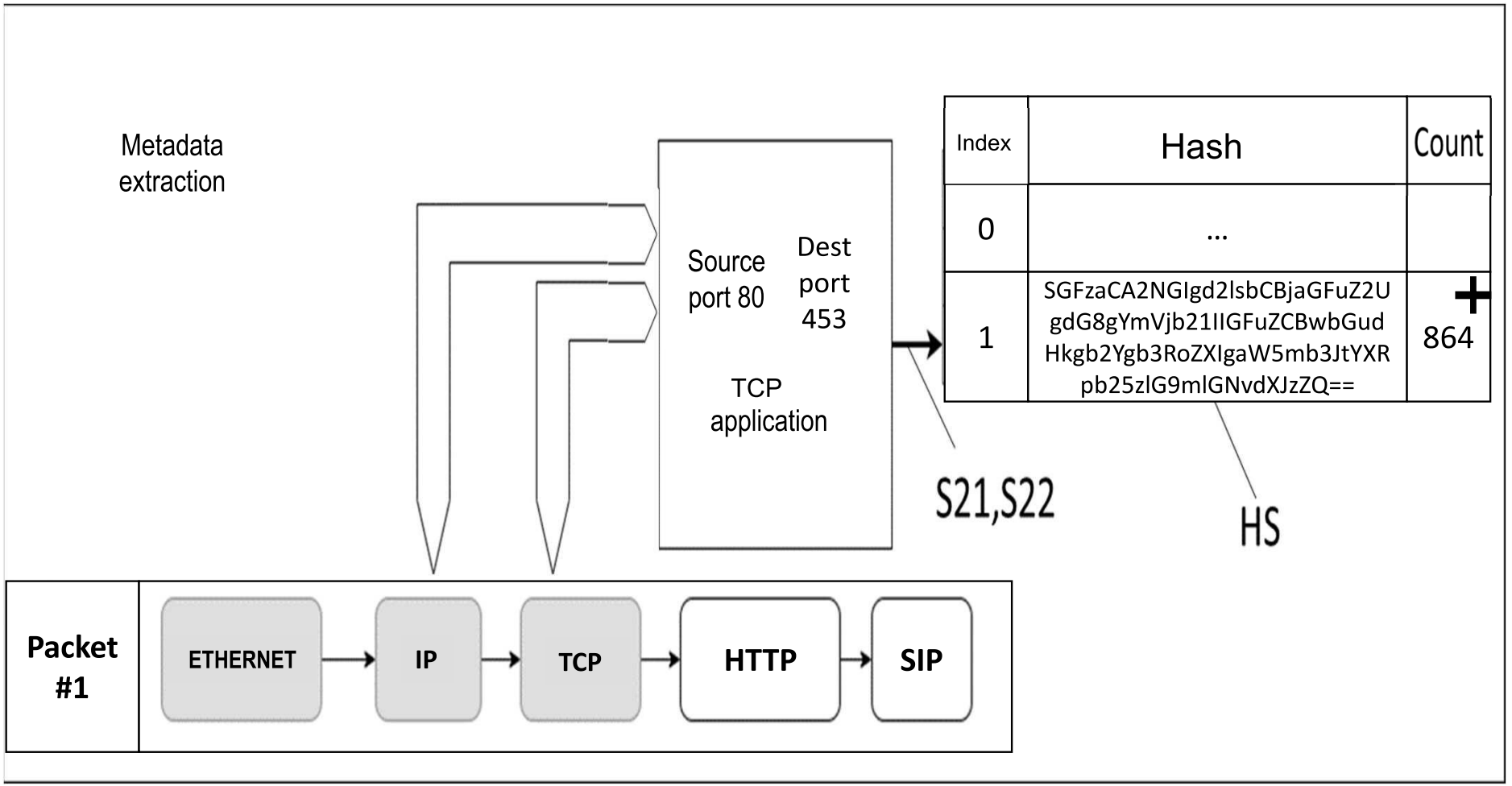
[Fig. 2]


SYSTEM 102
PROCESSOR 202
PROCESSOR CORE 204
DATA STREAM 104
PROTOCOL ANALYSIS ENGINE 206
TEMPORARY MEMORY 108
STORAGE MEANS 116

[Fig. 3]


SYSTEM 102
PROCESSOR 202
PROCESSOR CORE 204-1
PROCESSOR CORE 204-2
PROCESSOR CORE 204-3
PROCESSOR CORE 204-N
MEMORY 108
NETWORK INTERFACE CARD 210
ENGINE(S) 302
PROTOCOL ANALYSIS ENGINE 206
MONITORING ENGINE 306
CORRECTION ENGINE 308
DATA 304
PROTOCOL ANALYSIS DATA 310
EVENT DATA 312
TRIGGERING DATA 314
OTHER DATA 316

[Fig.8]


Metadata extraction
Source port 80
Dest port 453
TCP application
Index
Hash
Count
0
...
1
SGFzaCA2NGIgd2lsbCBjaGFuZ2UgdG8gYmVjb21IIGFuZCBwbGUdHkgb2Ygb3RoZXIgaW5mb3JtYXRpb25zIG9mIGNvdXJzZQ==
864
S21,S22
HS
Packet #1
ETHERNET
IP
TCP
HTTP
SIP