

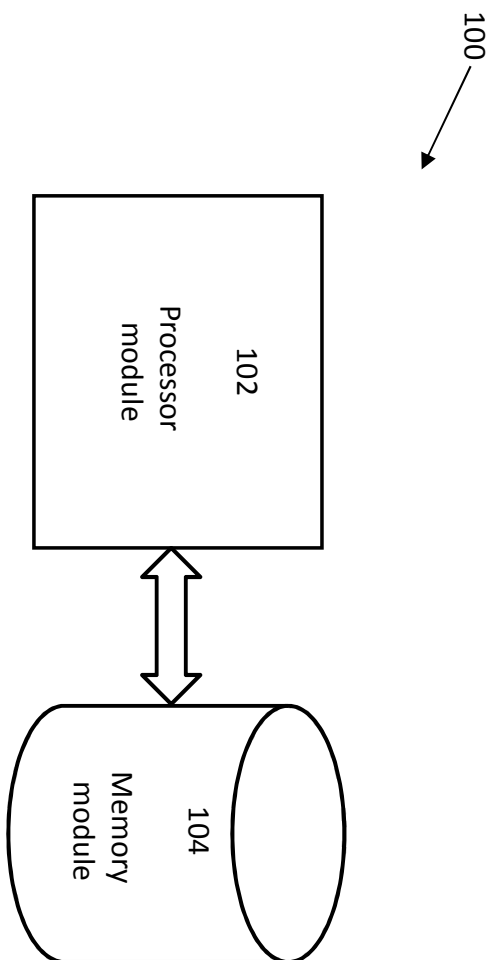


Figure 1

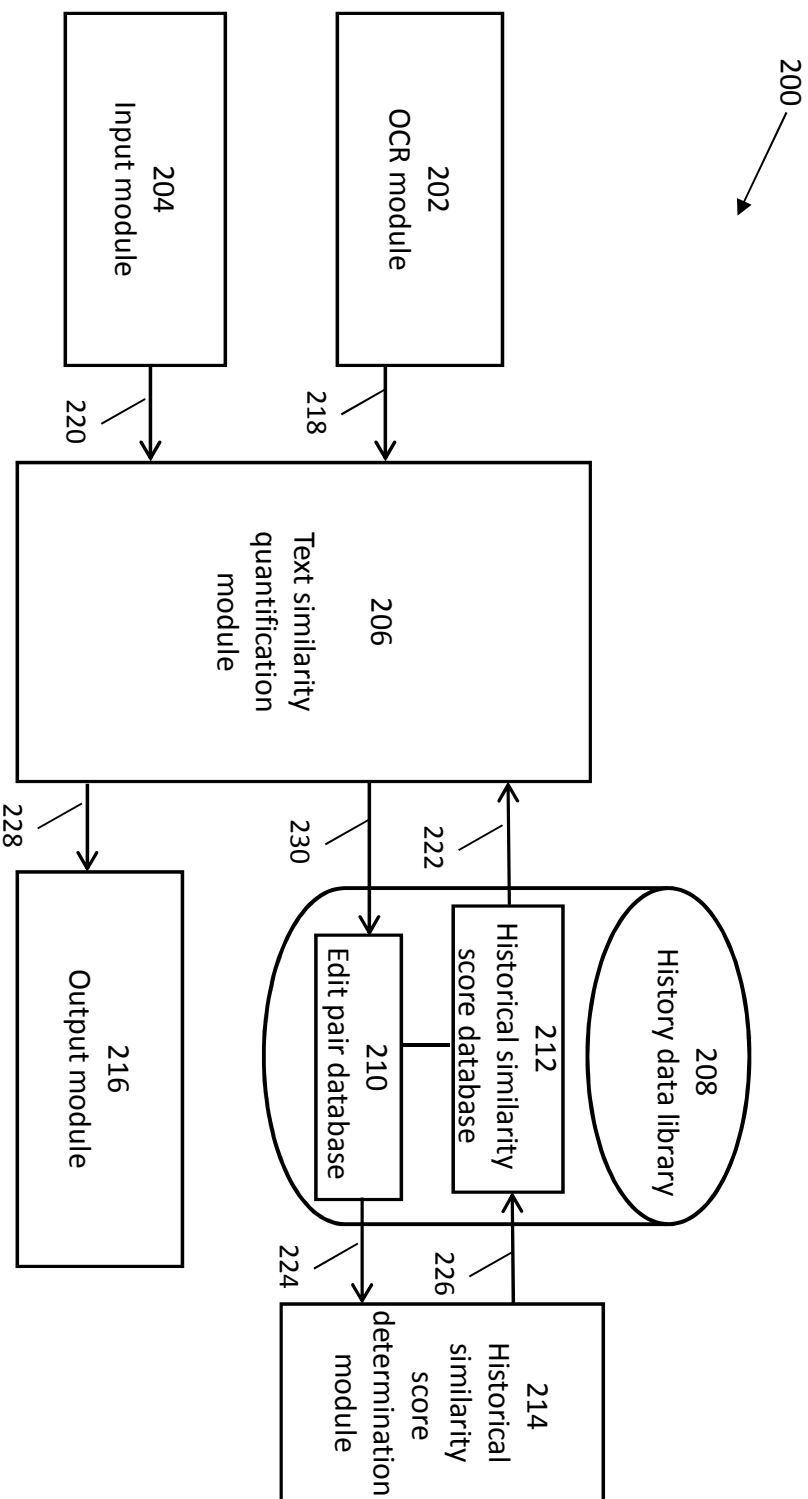


Figure 2

300

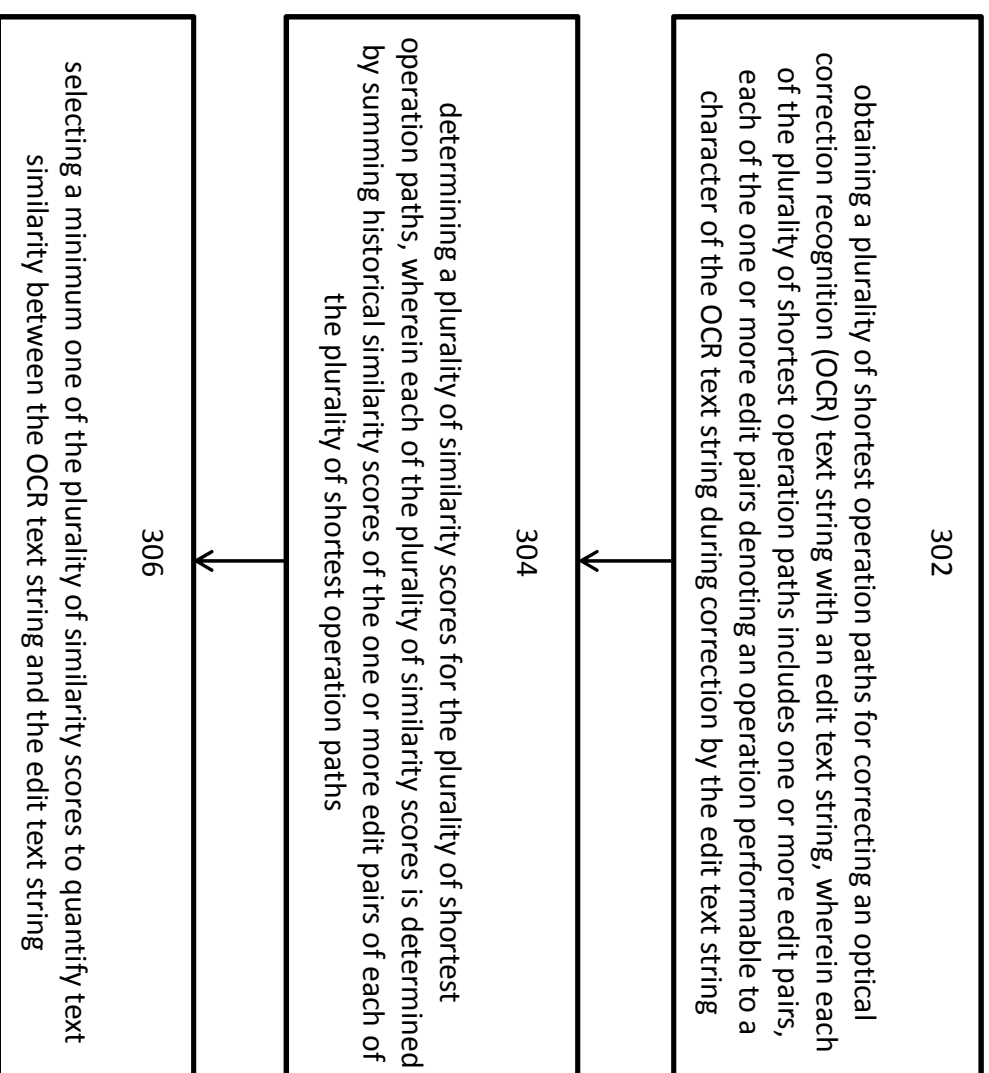


Figure 3

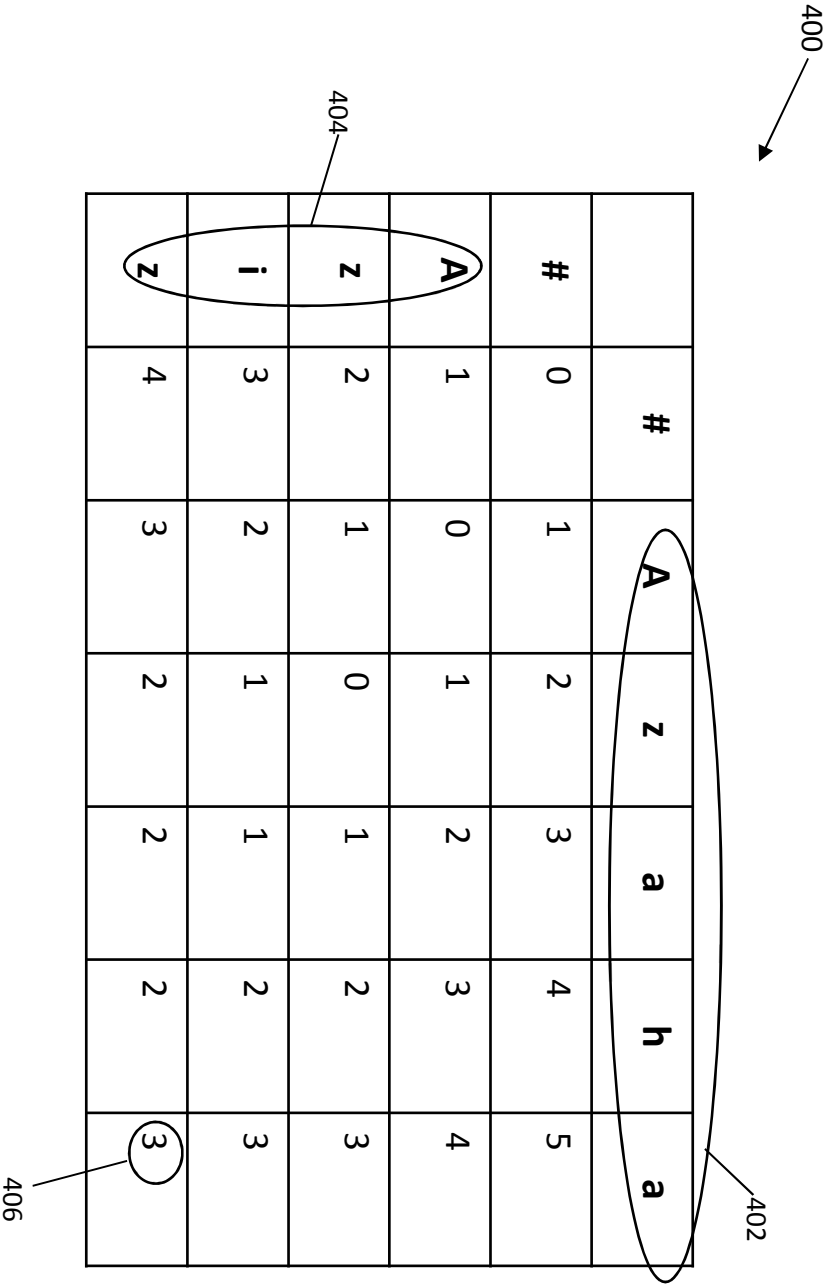


Figure 4

"Azaha" --> "Aziz"	Operation 1	Operation 2	Operation 3	Similarity Score
Shortest Operation Path 1	Substitute character "a" with character "i", which is denoted by an edit pair ("a", "i")	Substitute character "h" with character "z", which is denoted by an edit pair ("h", "z")	Delete character "a", which is denoted by an edit pair ("a", "")	Summation of: Historical Similarity Score of ("a", "i") + Historical Similarity Score of ("h", "z") + Historical Similarity Score of ("a", ""). For example, 0.5 + 0.8 + 0.6 = 1.9
Shortest Operation Path 2	Delete character "a", which is denoted by an edit pair ("a", "")	Substitute character "h" with character "i", which is denoted by an edit pair ("h", "i")	Substitute character "a" with character "z", which is denoted by an edit pair ("a", "z")	Summation of: Historical Similarity Score of ("a", "") + Historical Similarity Score of ("h", "i") + Historical Similarity Score of ("a", "z"). For example, 0.6 + 0.4 + 0.4 = 1.4
Shortest Operation Path 3	Substitute character "a" with character "i", which is denoted by an edit pair ("a", "i")	Delete character "h", which is denoted by an edit pair ("h", "")	Substitute character "a" with character "z", which is denoted by an edit pair ("a", "z")	Summation of: Historical Similarity Score of ("a", "i") + Historical Similarity Score of ("h", "") + Historical Similarity Score of ("a", "z"). For example, 0.5 + 0.6 + 0.4 = 1.5

502

504

Figure 5

600



Edit pair	Historical similarity score
("a", "")	0.6
("a", "i")	0.5
("a", "z")	0.4
("h", "")	0.6
("h", "i")	0.4
("h", "z")	0.8
...	...

Figure 6

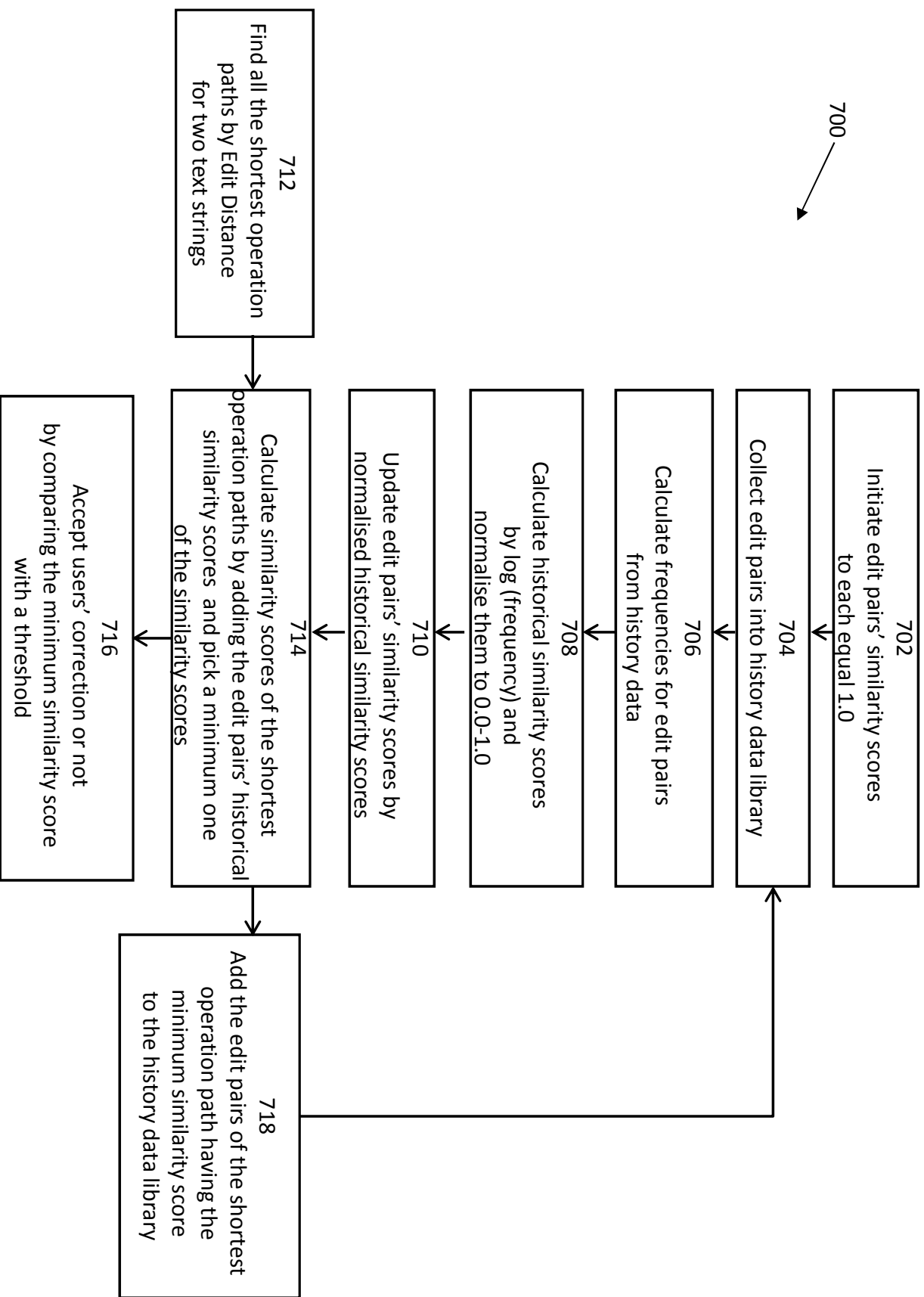


Figure 7

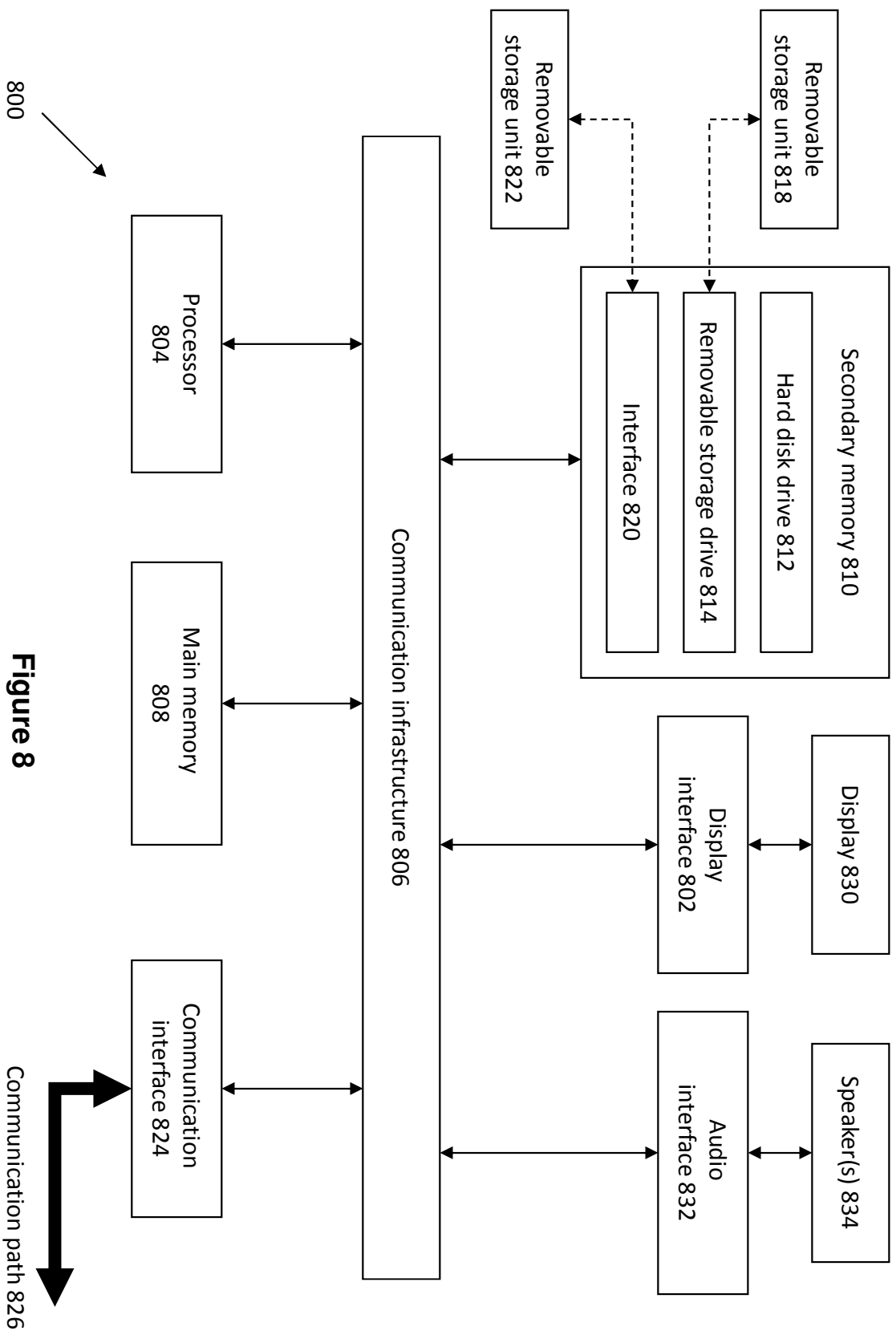


Figure 8