

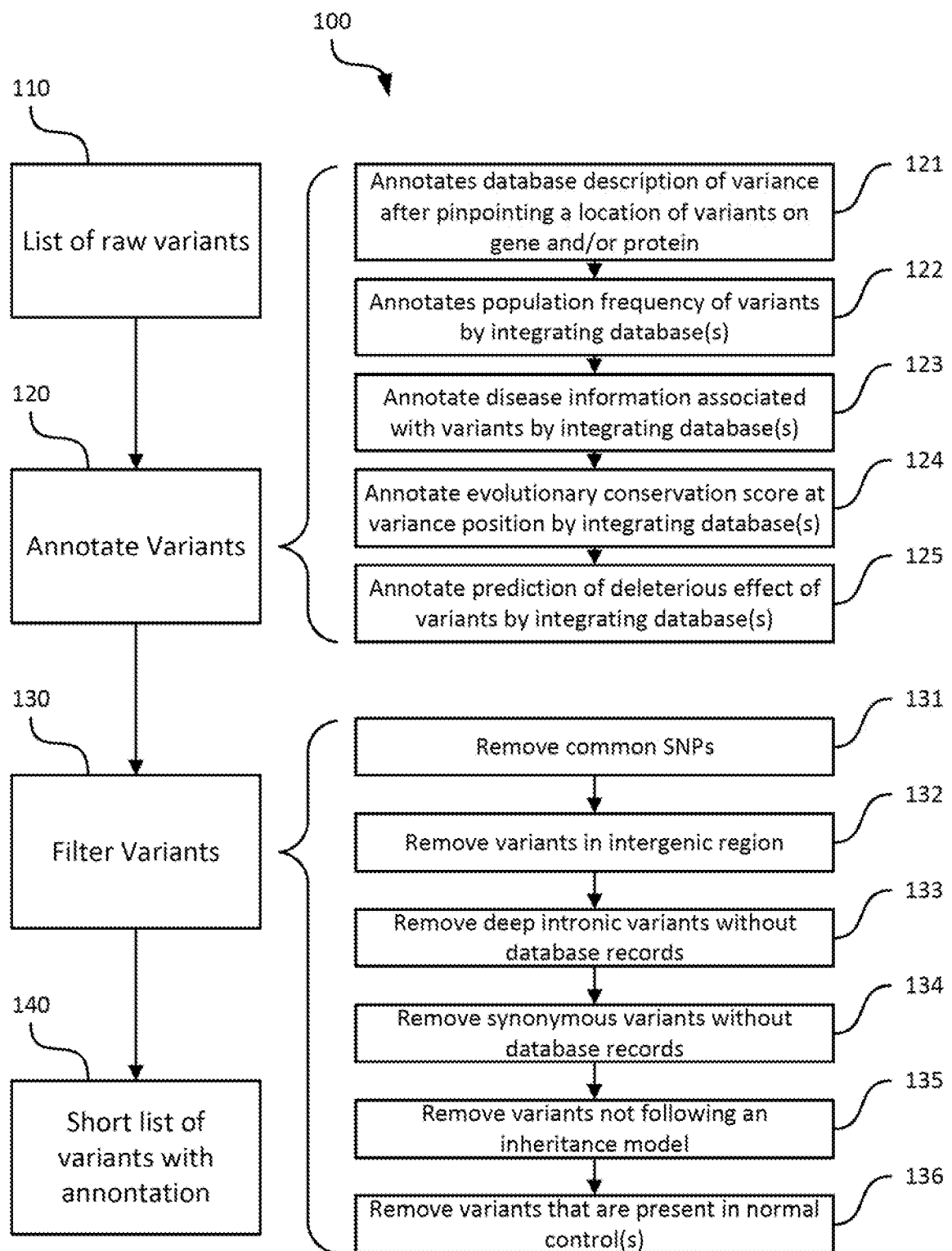


FIG. 1

Figure 1 illustrates a software interface for genetic analysis, showing various input fields and sections. The interface is divided into several main areas:

- NEW RESULT SET FOR FAM_**: This section includes a **DESCRIPTION** field with a **NAME** input box.
- MENDELIAN INHERITANCE MODEL**: This section contains three radio button options: **RECESSIVE**, **DOMINANT**, **AUTOSOMAL**, **X-LINKED**, **Y-LINKED**, and **DE NOVO MUTATION ALLOWED**.
- POPULATION FREQUENCY**: This section includes two input fields: **REMOVE COMMON VARIANTS WITH FREQUENCY LARGER THAN 0.01** and **AND OCCURRENCE LARGER THAN 5**.
- GENOTYPES** (labeled 240): This section displays the genotypes for the family members: **FATHER (NORMAL)**, **MOTHER (NORMAL)**, and **DAUGHTER (NORMAL)**, each with a **NEGATIVE** dropdown menu.
- NORMAL CONTROLS** (labeled 250): This section lists the normal controls used in the analysis, including **FAM**, **PROBAND**, **DAUGHTER**, **FATHER**, and **MOTHER**, each with a checkbox.
- Buttons**: At the bottom right, there are three buttons: **RUN**, **RESET**, and **GO BACK**.

2011

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310	<div><div>HOMOZYGOUS</div><div>HETEROZYGOUS</div></div>						
320	<div><div>GENE</div><div>LOCUS</div><div>PSEUDO-GENE</div></div>	<div><div>HCMD</div><div>OMIM</div><div>PATHWAY</div><div>REFSEQ</div><div>VARIANT</div></div>					
	<div><div>AHNAK2</div><div>☐ A/A</div><div>☒ B/C</div></div>	<div><div>14q32.33</div><div>0</div><div>N/A</div><div>N/A</div><div>c.9563A>C p.N3188T</div></div>					
330	<div><div>PDE6B</div><div>☒ A/A</div><div>☒ B/C</div></div>	<div><div>4p16.3</div><div>0</div><div>1)RETINITIS PIGMENTOSA 2)NIGHT BLINDNESS, STATIONARY</div><div>1)RETINITIS PIGMENTOSA 40 2)NIGHT BLINDNESS, CONGENITAL STATIONARY, AUTOSOMAL DOMINANT 2</div><div>1/PURINE METABOLISM 2/PHOTOTRANSDUCTION</div><div>NM_000283</div><div>c.1927_1967del p.N643DfsX29</div></div>					
	<div><div>ZNF218</div><div>☐ A/A</div><div>☒ B/C</div></div>	<div><div>19p12</div><div>1</div><div>N/A</div><div>N/A</div><div>c.986T>C p.1329T</div></div>					
	<div>DOWNLOAD</div>						

FIG.3

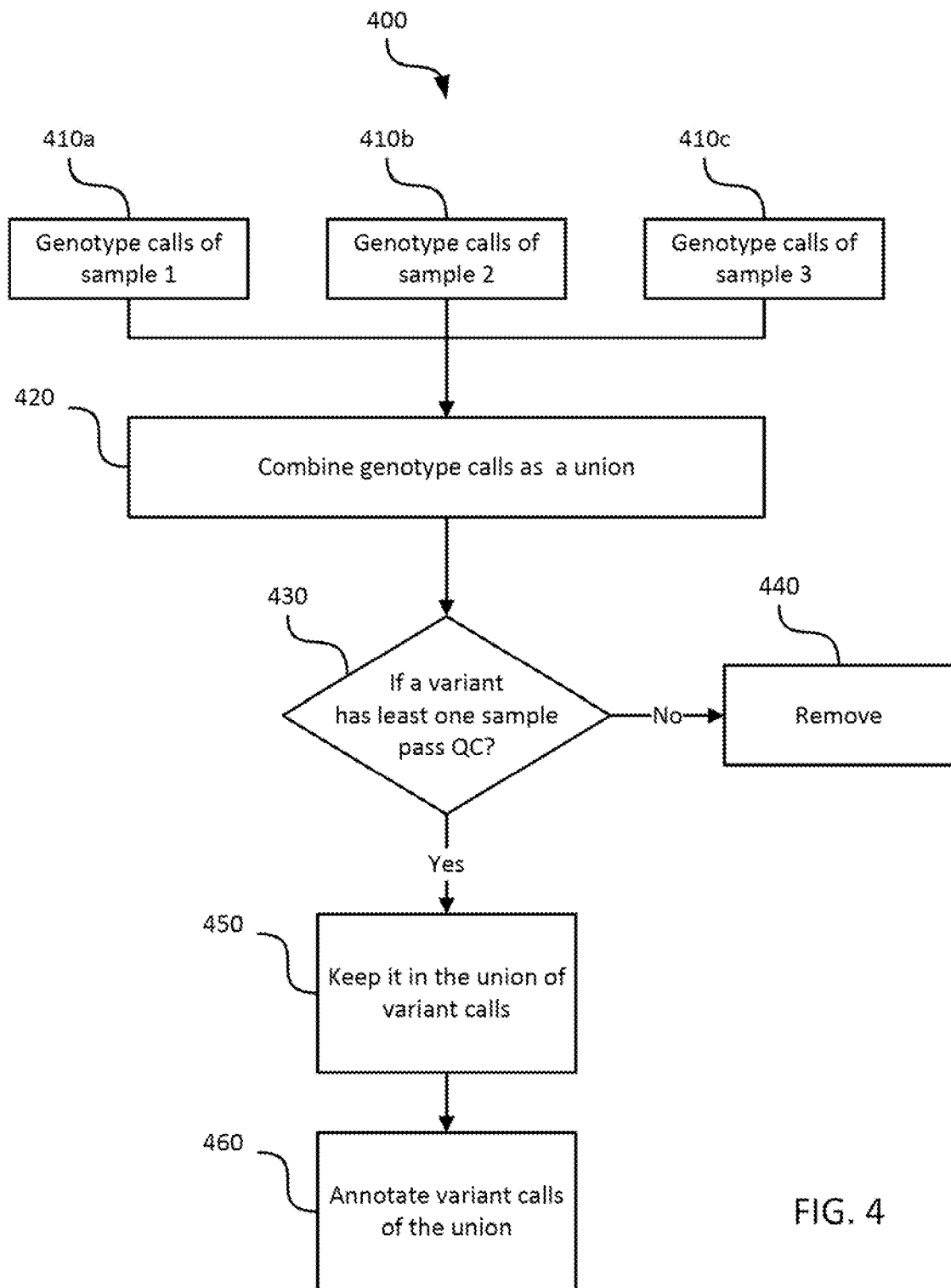
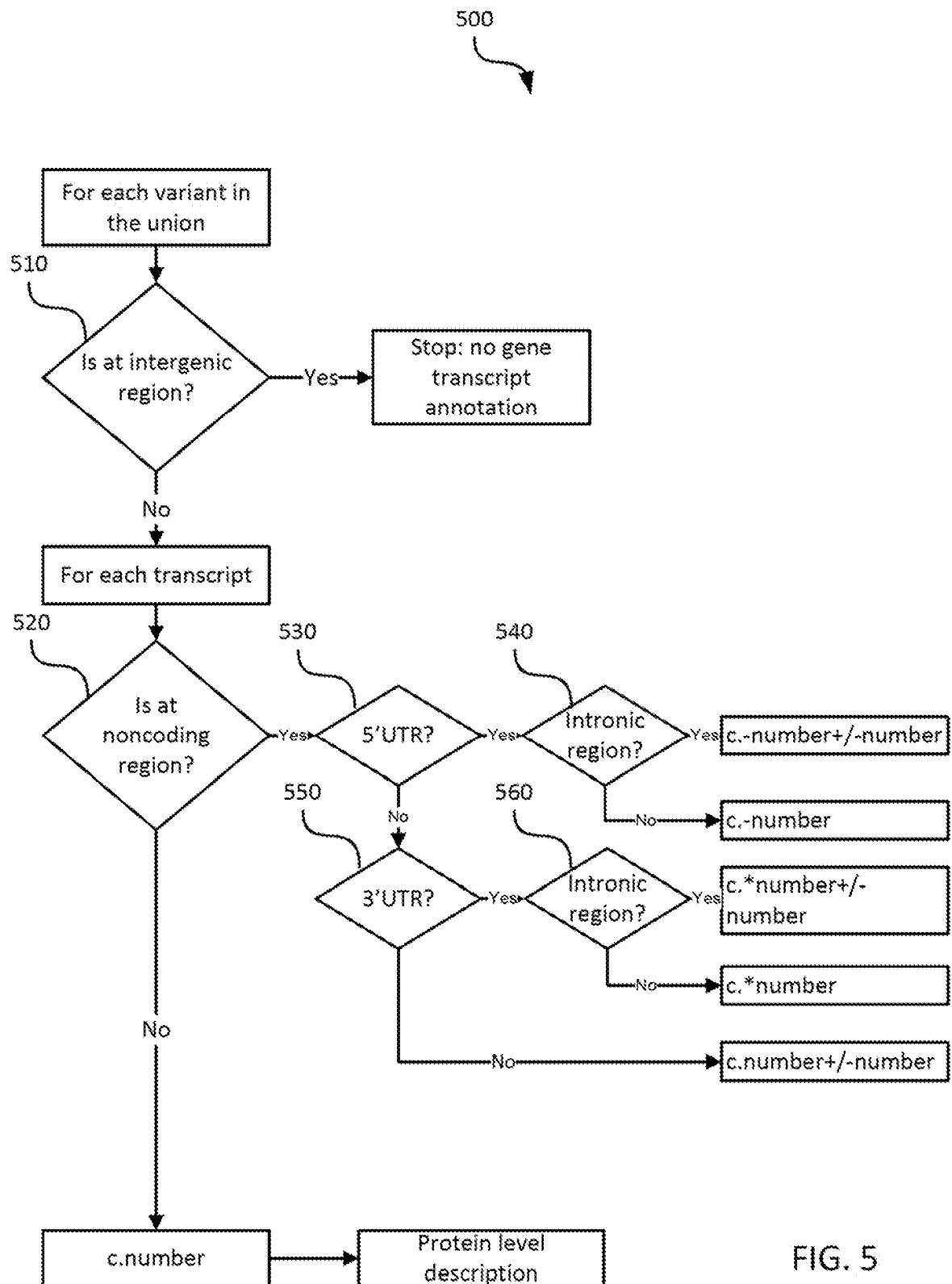
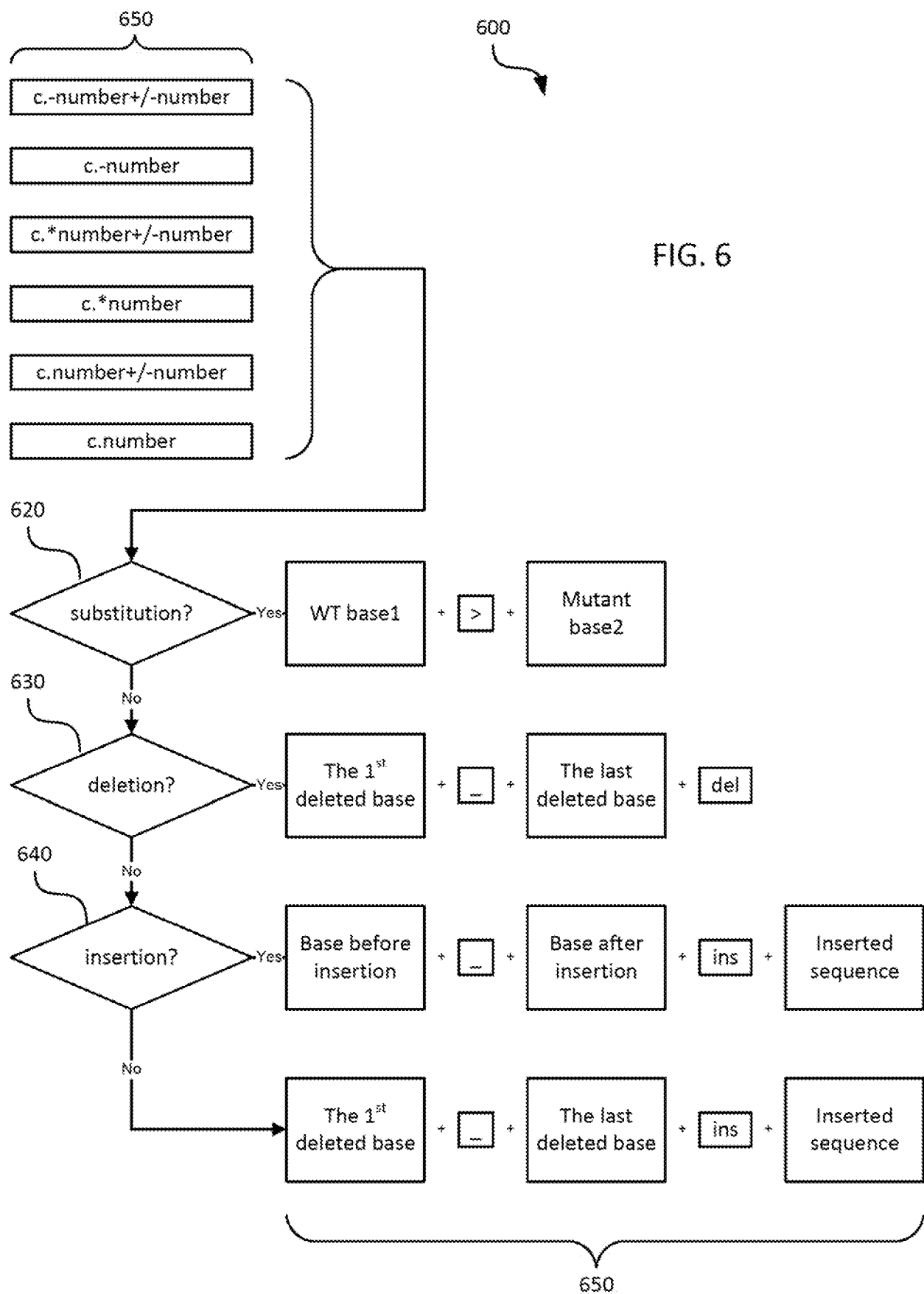


FIG. 4

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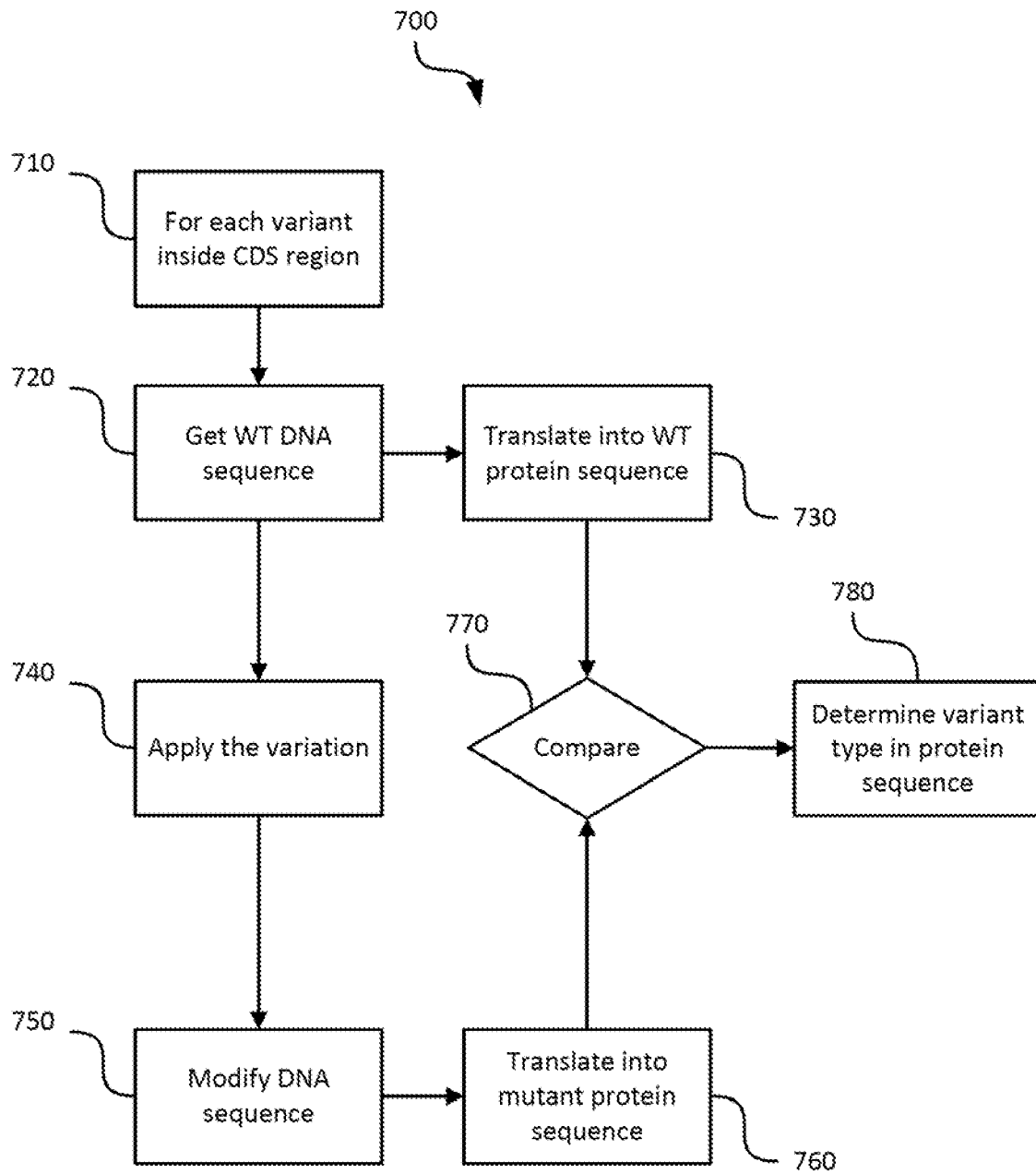
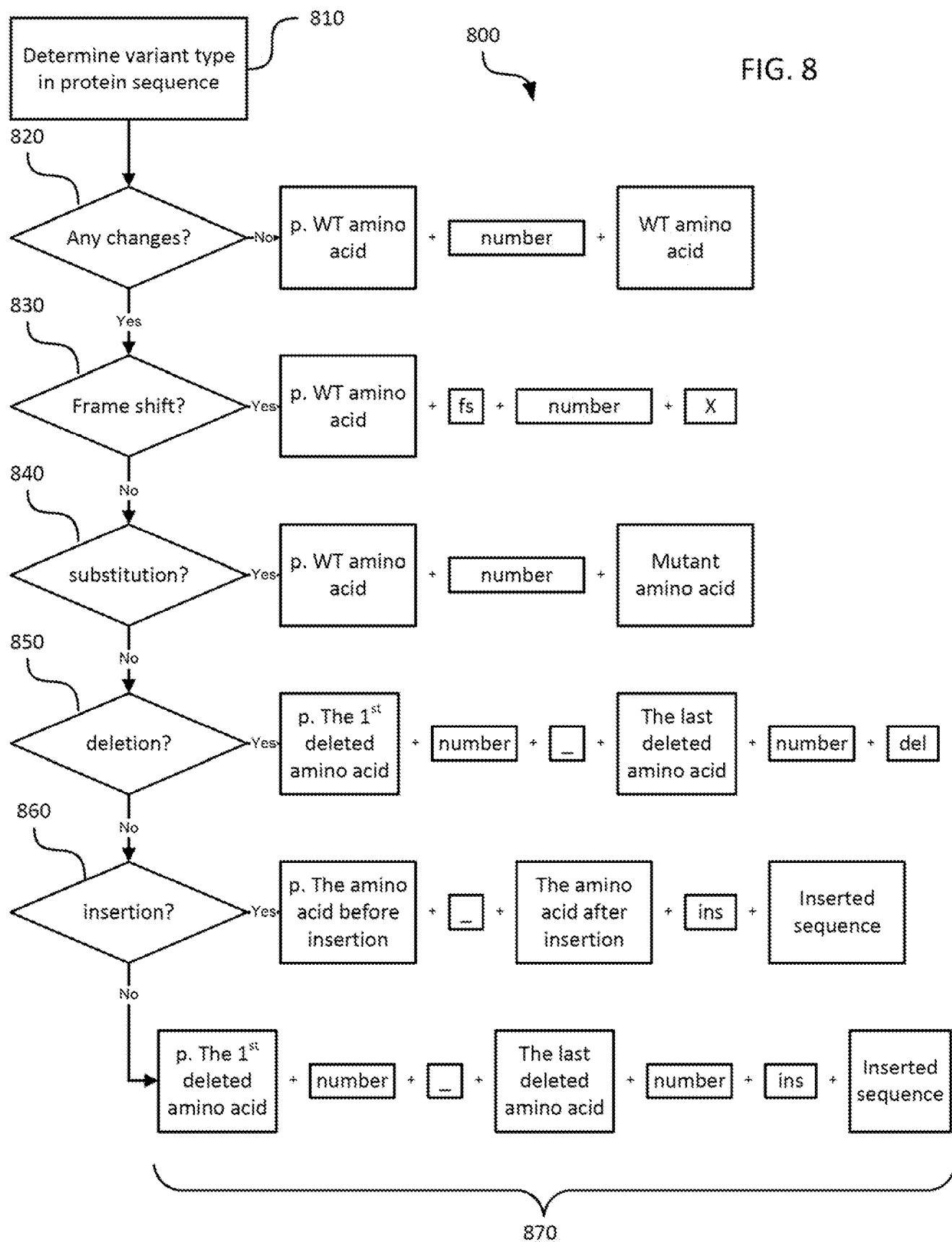


FIG. 7

FIG. 8



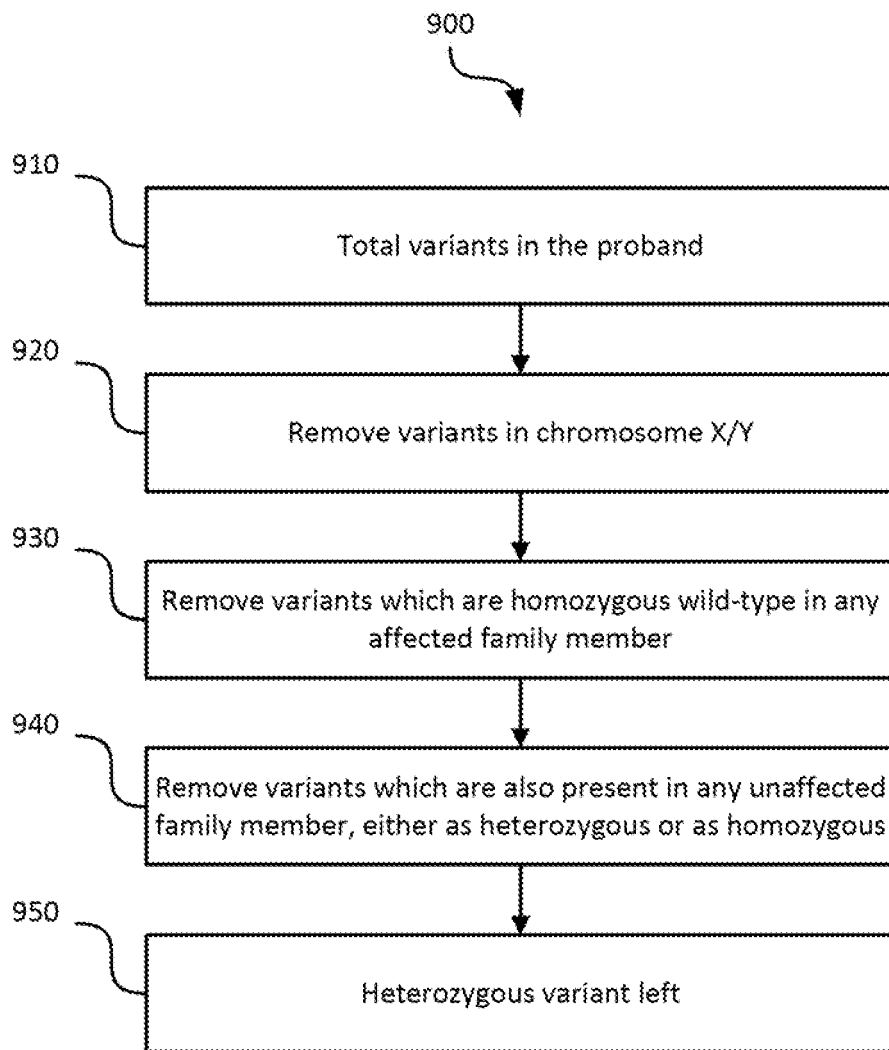


FIG. 9

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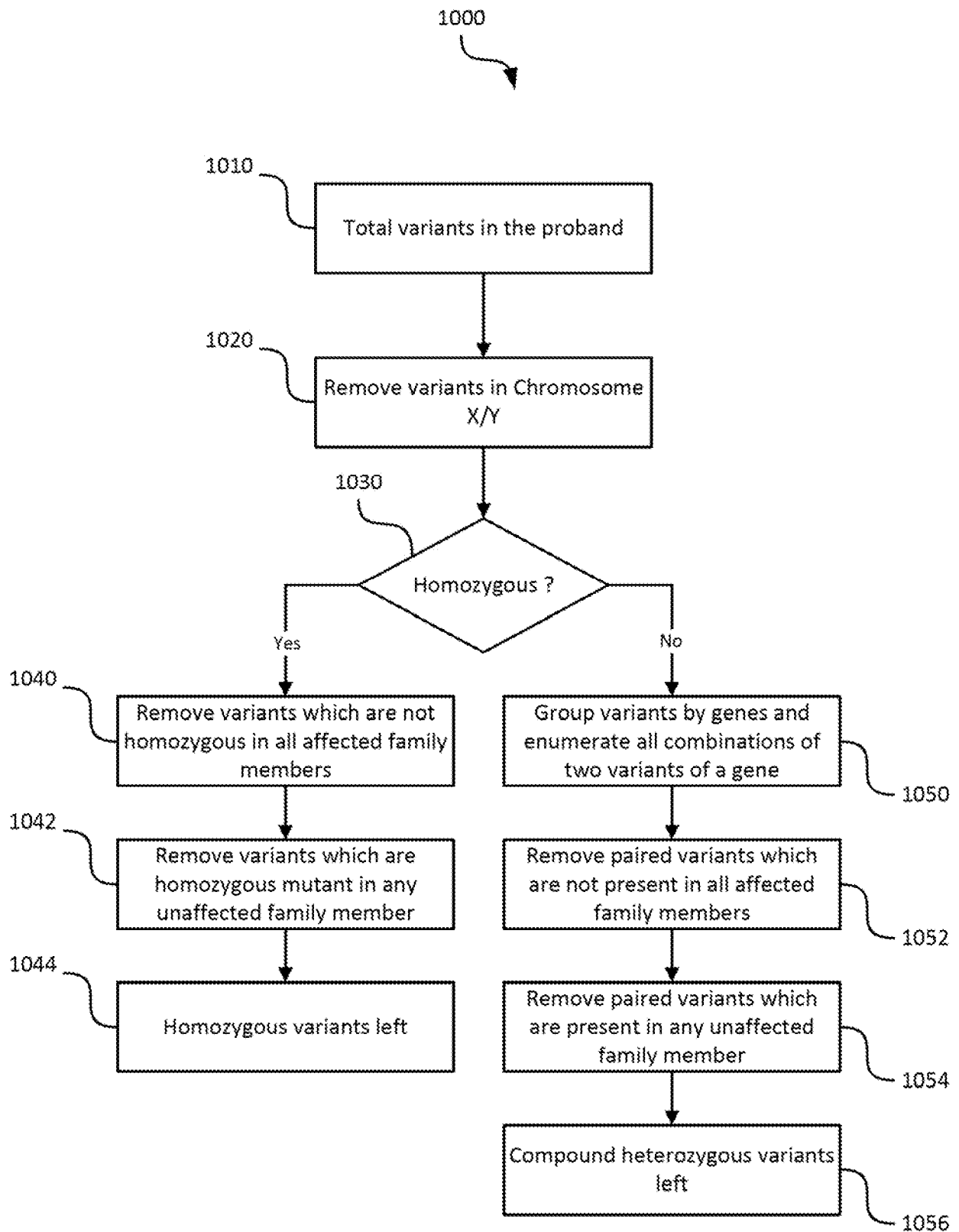


FIG. 10

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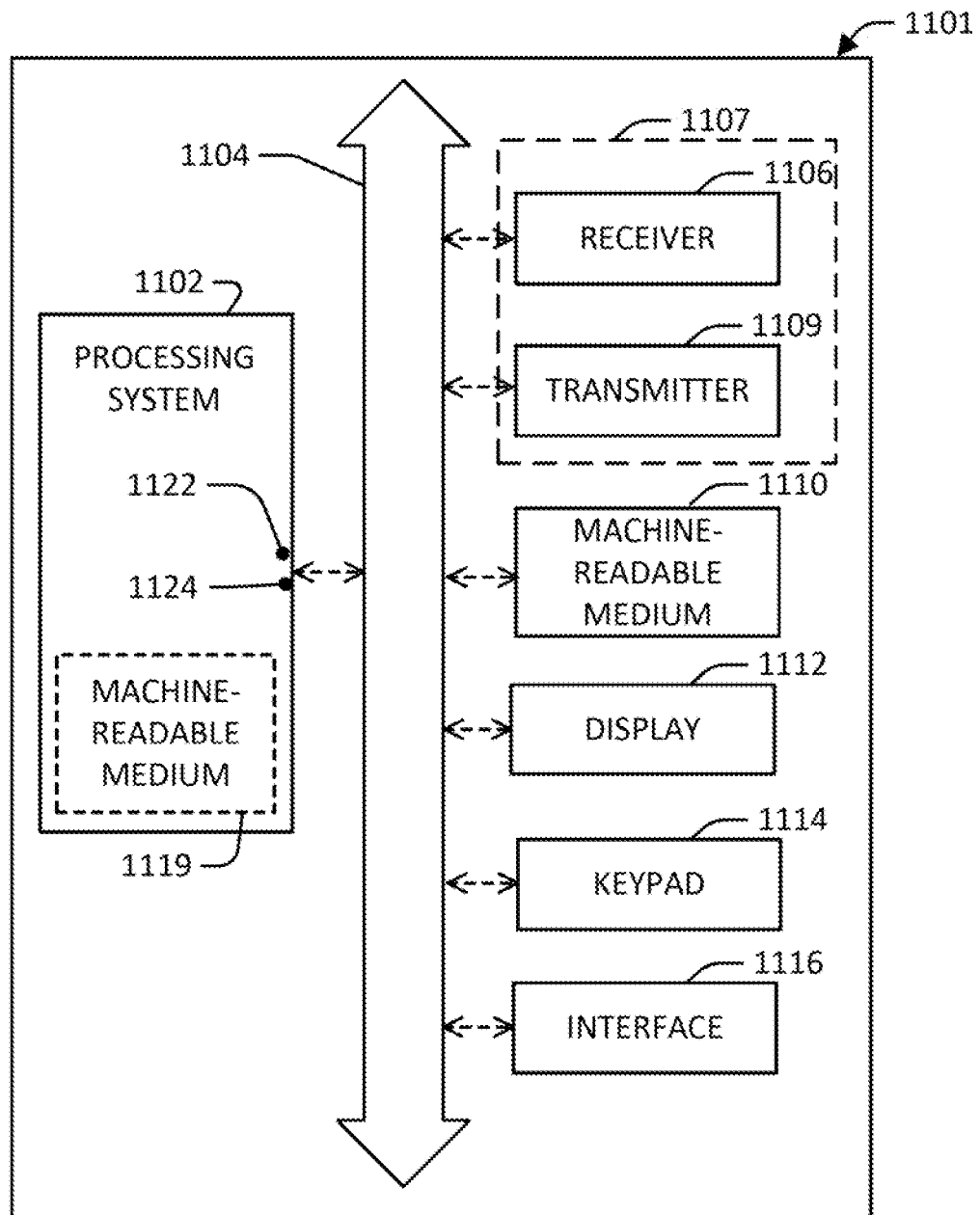


FIG. 11

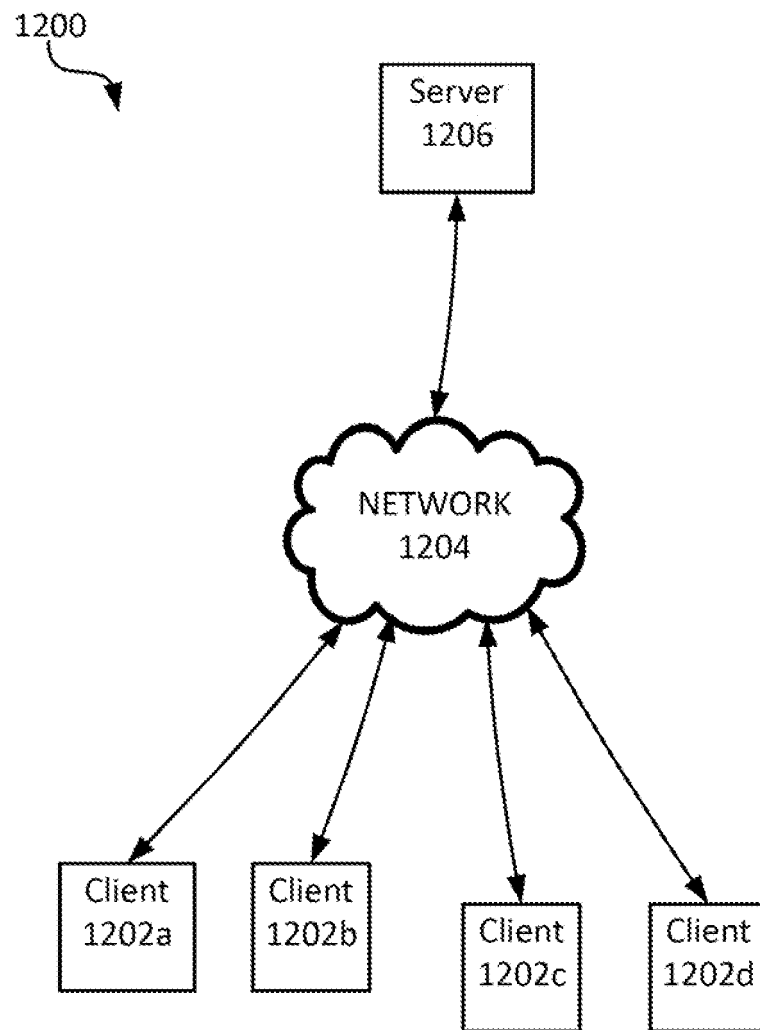


FIG. 12