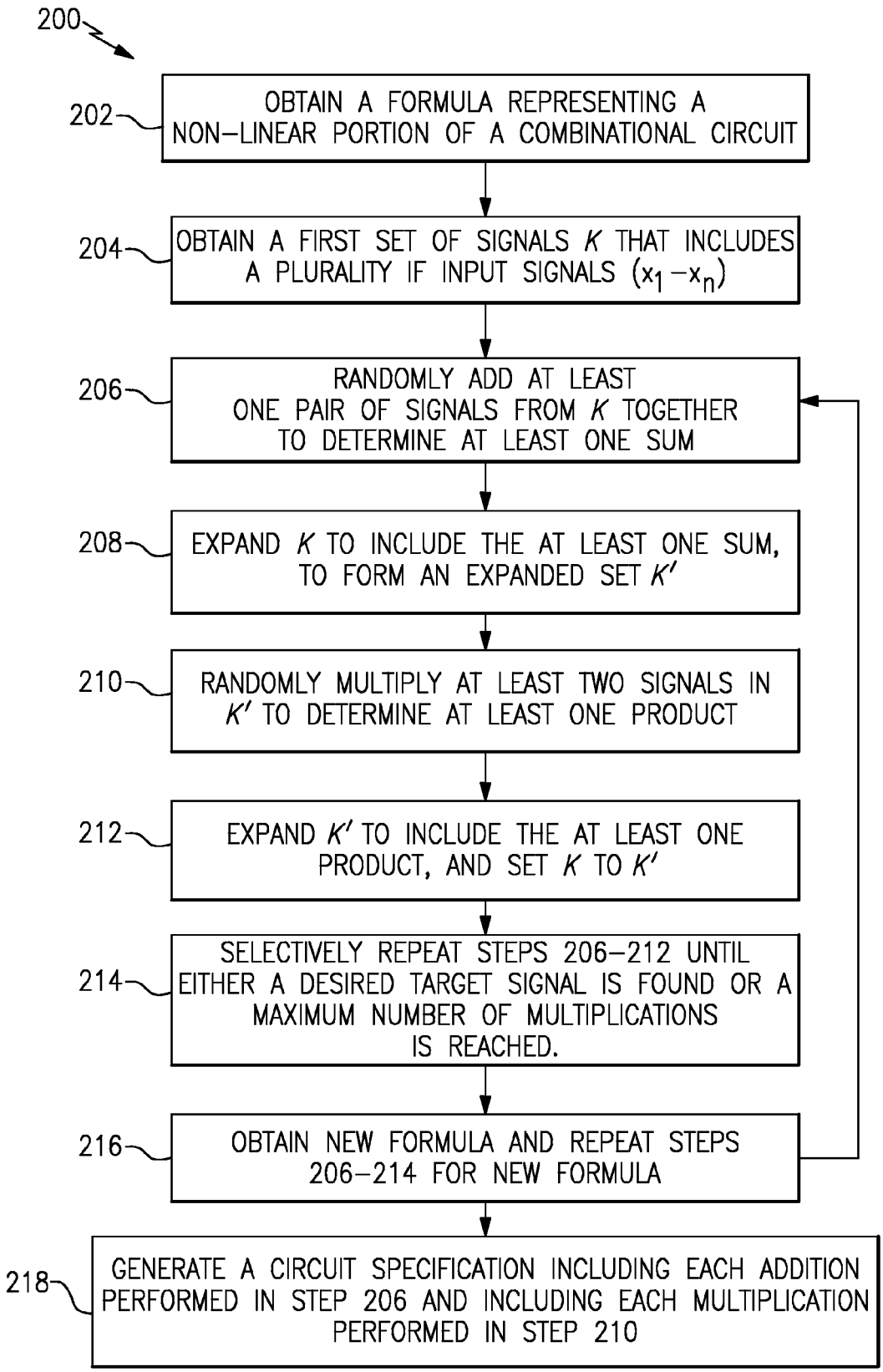
200
202
OBTAIN A FORMULA REPRESENTING A NON-LINEAR PORTION OF A COMBINATIONAL CIRCUIT
204
OBTAIN A FIRST SET OF SIGNALS K THAT INCLUDES A PLURALITY IF INPUT SIGNALS (x_1 – x_n)
206
RANDOMLY ADD AT LEAST ONE PAIR OF SIGNALS FROM K TOGETHER TO DETERMINE AT LEAST ONE SUM
208
EXPAND K TO INCLUDE THE AT LEAST ONE SUM, TO FORM AN EXPANDED SET K′
210
RANDOMLY MULTIPLY AT LEAST TWO SIGNALS IN K′ TO DETERMINE AT LEAST ONE PRODUCT
212
EXPAND K′ TO INCLUDE THE AT LEAST ONE PRODUCT, AND SET K TO K′
214
SELECTIVELY REPEAT STEPS 206–212 UNTIL EITHER A DESIRED TARGET SIGNAL IS FOUND OR A MAXIMUM NUMBER OF MULTIPLICATIONS IS REACHED.
216
OBTAIN NEW FORMULA AND REPEAT STEPS 206–214 FOR NEW FORMULA
218
GENERATE A CIRCUIT SPECIFICATION INCLUDING EACH ADDITION PERFORMED IN STEP 206 AND INCLUDING EACH MULTIPLICATION PERFORMED IN STEP 210

FIG.2