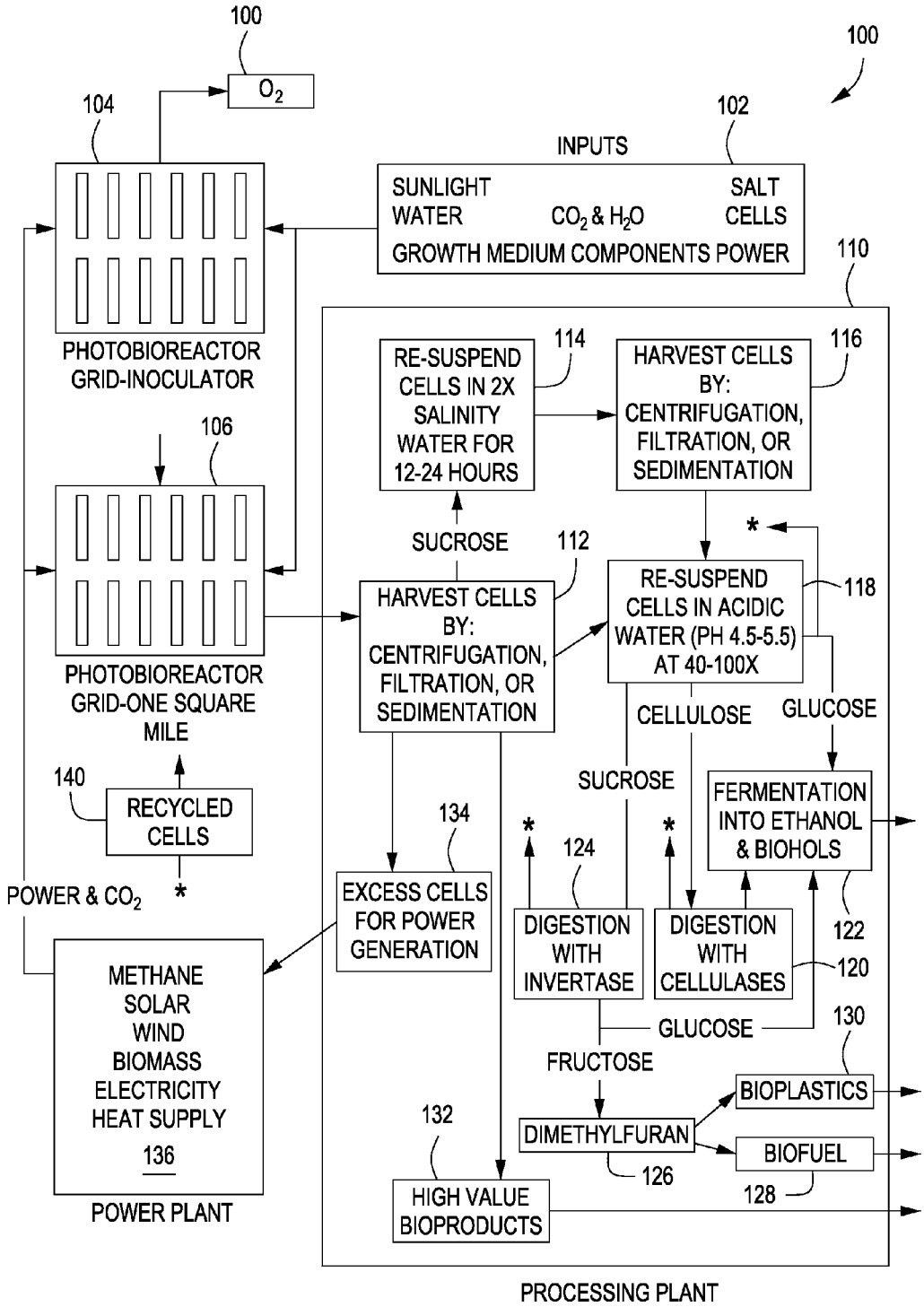
100
100
O_2
104
102
INPUTS
SUNLIGHT
WATER
CO_2 & H_2O
SALT
CELLS
GROWTH MEDIUM COMPONENTS POWER
110
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HARVEST CELLS BY: CENTRIFUGATION, FILTRATION, OR SEDIMENTATION
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SUCROSE
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HARVEST CELLS BY: CENTRIFUGATION, FILTRATION, OR SEDIMENTATION
RE-SUSPEND CELLS IN ACIDIC WATER (PH 4.5-5.5) AT 40-100X
PHOTOBIOREACTOR GRID-ONE SQUARE MILE
CELLULOSE
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RECYCLED CELLS
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EXCESS CELLS FOR POWER GENERATION
DIGESTION WITH INVERTASE
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120
METHANE
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HEAT SUPPLY
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GLUCOSE
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HIGH VALUE BIOPRODUCTS
POWER PLANT
PROCESSING PLANT

FIG. 1