Claims

1. A food freezing system for freezing food, the food freezing system comprising:

a plurality of freezing units for freezing the food; and

a transporting unit for transporting the food to the plurality of freezing units;

wherein the plurality of freezing units comprise a plurality of air blowing vents for blowing cold air toward the transporting unit along a direction of transport of the transporting unit,

wherein the plurality of air blowing vents are provided at least at a lower portion or an upper portion of the transporting unit, and are tilted with respect to a direction that is orthogonal to the direction of transport of the transporting unit, and

wherein orientations of tilts of the plurality of air blowing vents are configured to alternate along the direction of transport of the transporting unit, wherein the freezing units are configured to cool the food with cold air of -60°C -90°C.

2. The food freezing system according to claim 1, wherein the orientation of the air blowing vents is configured to be an orientation against the direction of transport of the transporting unit.

3. The food freezing system according to claim 1 or claim 2, wherein the orientation of the air blowing vents is against the direction of transport of the transporting unit and is tilted at an angle of 30° to 60°.

4. The food freezing system according to any one of claims 1 to 3, wherein the air blowing vents are provided at a

lower portion of the transporting unit.

5. The food freezing system according to any one of claims 1 to 4, wherein the air blowing vents are provided at both an upper portion and a lower portion of the transporting unit.

6. The food freezing system according to claim 5, wherein

the air blowing vents at the upper portion are provided so as to be tilted in a first direction that intersects a direction that is orthogonal to the direction of transport of the transporting unit, and

the air blowing vents at the lower portion are provided so as to be tilted in a second direction that intersects the first direction.

7. The food freezing system according to any one of claims 1 to 6, wherein the transporting unit is configured to transport the food so that the food passes through the freezing units within 6 minutes from entering the food freezing system.

8. A food processing system, comprising:

(1] a heating unit comprising a heating mechanism for indirectly heating food; and

(2] the food freezing system according to any one of claims 1 to 7;

wherein the transporting unit transports the food through the heating unit and the food freezing system.

9. The food processing system according to claim 8, wherein the heating mechanism is present only below the transporting unit and is configured to release a heat mediating substance downward, and the heating unit comprises an air blowing mechanism configured to blow air

in a direction that is not toward the transporting unit.

10. The food processing system according to claim 9, wherein the heating unit comprises a temperature sensor in the vicinity of the transporting unit, and the heating mechanism is intermittently driven by the temperature sensor.

11. A method of producing frozen food, comprising a processing step for freezing food using the food freezing system according to any one of claims 1 to 7 or the food processing system according to any one of claims 8 to 10.

12. The method of producing frozen food according to claim 11, wherein the food is vegetables, meat, fish, or shellfish.