

B01B

BOILING; BOILING APPARATUS; [N: EVAPORATION; EVAPORATION APPARATUS]

Definition statement

This subclass/group covers:

Documents where evaporation of liquid without separation takes place.

Relationship between large subject matter area

Semi-conductor fabrication involving evaporation step process is classified in [H01L 21/00](#).

Coating by vacuum evaporation is classified in [C23C 14/00](#)

Informative references

Attention is drawn to the following places, which may be of interest for search:

selective catalytic reduction (SCR)	F01N 3/2066
feeding chemical reactors, in particular reformer	B01J 8/0278 , B01J 19/0093

B01B 1/00

Boiling; Boiling apparatus for physical or chemical purposes (preparation of starch C08B30/00; sugar industry C13; steam generation F22; domestic boilers F24); [N: Evaporation in general]

Definition statement

This subclass/group covers:

- Boiling; Boiling apparatus for physical or chemical purposes, e.g. preventing foaming, preventing bumping

- Evaporation

Informative references

Attention is drawn to the following places, which may be of interest for search:

preparation of starch	C08B 30/00
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boiling in sugar industry	C13
boiling for steam generation	F22
domestic boilers	F24

B01B 1/005

[N: Evaporation or evaporation apparatus for physical or chemical purposes, e.g. evaporation of liquids for gas phase reactions (separation by evaporation B01D; evaporation in chemical vapor deposition or similar processes C23C; cooling by evaporation F01P9/02; evaporation of fuels to be fed to combustion apparatus, e.g. burners F23D; refrigeration involving evaporation F25B; drying involving evaporation F26B; evaporation for preparing samples for analysis G01N)]

Definition statement

This subclass/group covers:

Evaporation or evaporation apparatus for physical or chemical purposes, e.g. evaporation of liquids for gas phase reactions, evaporator for organic materials

Informative references

Attention is drawn to the following places, which may be of interest for search:

evaporation for separation	B01D
chemical vapour deposition	C23C
cooling by evaporation	F01P 9/02
evaporation of fuels to be fed	F23D
refrigeration by evaporation	F25B
drying by evaporation	F26B
evaporation for preparing samples for analysis	G01N

B01B 1/08

Boiling apparatus provided with reflux condenser

References relevant to classification in this group

This subclass/group does not cover:

Condensation in separation	B01D 5/0063
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