

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 750

DATE: JANUARY 1, 2020

PROJECT DP0205

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
DEFINITIONS:		
Definitions New:	C02F	11/128
	C02F	11/13
	C02F	11/148
	C02F	11/15
Definitions Modified:	C02F	9/00
	C02F	11/12
	C02F	11/127
	C02F	11/14
	C02F	11/18
	C02F	11/185

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3. REVISION CONCORDANCE LIST (RCL)

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

2. A. DEFINITIONS (new)

Insert: The following new definitions.

C02F 11/128

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Batch process	A batch process is a process in which the feed is not introduced in a continuous stream, but as a series of discrete charges, each of which may be processed over one or more states of treatment.
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C02F 11/13

Definition statement

This place covers:

Drying of sludge by heating includes direct or indirect heating. The actual purpose of treatment is to use heat to dry the sludge.

Special rules of classification

Thermal drying is classified in this group. If the sludge is heated for conditioning, then classification is made in group [C02F 11/18](#) and subgroups thereof or if the sludge is treated by pyrolysis, then classification is made in group [C02F 11/10](#). This group should be used for cases where drying by heating is the actual purpose of the treatment. If heating is a side-effect of treatment, classification is made in other relevant places, e.g. [C02F 11/15](#).

C02F 11/148

Special rules of classification

Addition of organic and inorganic compounds having a synergistic effect to the same treatment step. Coated compounds comprising inorganic and organic functions are classified in this group.

C02F 11/15

Definition statement

This place covers:

De-watering, drying or thickening of sludge by treatment with electric, magnetic or electromagnetic fields; or with ultrasonic waves, e.g. by treatment with electromagnetic waves or ultrasonic waves in order to disrupt or lyse cellular material, or break cell walls of cells in the sludge, or transform bound water in the sludge into free water.

References

Limiting references

This place does not cover:

Using electromagnetic or ultrasonic waves	C02F 11/131
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2. A. DEFINITIONS (modified)

C02F 9/00

Special rules of classification

Replace: All text in the Special rules of classification section with the following text.

The multistep treatment is classified in C02F 9/00 as Invention and each step is classified as additional information in C02F 1/00 - C02F 11/20. For a repetition of the same step C02F 2301/08 can be used, if relevant to the definition of the invention.

C02F 11/18

References

Insert: The following new Limiting references section and table with the new reference.

Limiting references

This place does not cover:

Sludge treatment by pyrolysis	C02F 11/10
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Informative references

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

Delete: The following reference from the Informative references table.

Sludge treatment by pyrolysis	C02F 11/10
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Special rules of classification

Replace: All text in the Special rules of classification section with the following text.

Drying, dewatering of sludge is classified in [C02F 11/12](#).

C02F 11/185

Definition statement

This place covers:

Replace: All text in the Definition statement section with the following text.

Heating of sludge above 60°C for the purpose of disinfection.

2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
C02F 11/12	References Informative references	Drying solid materials, granulation F26B	<u>Replace:</u> The existing Informative reference text with the following new text. Drying solid materials or objects by removing liquid therefrom F26B
C02F 11/127	Definition Statement	Extraction of water from sludge using centrifuges	<u>Replace:</u> The existing text in the Definition statement section with the following new text. Extraction of water from sludge using centrifuges, hydrocyclones or other hydrodynamic separators using centrifugal forces.
C02F 11/127	References Informative references	Centrifugation of aqueous suspensions C02F 1/385 Centrifuges B04B	<u>Replace:</u> The existing references in the Informative references table with the following new references. Centrifuges B04B Apparatus using free vortex flow B04C Centrifugal separation of water, waste water or sewage C02F 1/38 Centrifugation of aqueous suspensions C02F 1/385

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<p>C02F 11/14</p>	<p>Definition Statement</p>	<p>De-watering or drying of sludge by drying with chemical agents, e.g. flocculants added during or before the dewatering process.</p>	<p><u>Replace:</u> The existing text in the Definition statement section with the following new text.</p> <p>De-watering, drying or thickening of sludge by the addition of chemical agents, e.g. flocculants added during or before the dewatering process.</p>
<p>C02F 11/14</p>	<p>Special rules of classification</p>		<p><u>Insert:</u> The following new Special rules of classification section and text.</p> <p>Special rules of classification</p> <p>In groups C02F 11/14 - C02F 11/148, if inorganic and organic substances are added independently in different processes steps, the group C02F 11/143 or subgroup thereof, along with C02F 11/147 should be used. If inorganic and organic substances are added in the same treatment step, the group C02F 11/148 should be used.</p>

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.