

D21G

CALENDERS; ACCESSORIES FOR PAPER-MAKING MACHINES (winders or rewinders for finished products, means for adjustment of wrinkles or lateral extensions [B65H](#))

Definition statement

This place covers:

Calenders, smoothing apparatus.

Rolls for calenders, controlled deflection rolls, doctors, safety devices for paper machinery, damping devices, paper making control systems, devices for threading web tails through a paper machine.

Coating devices in combination with calenders or other sections in a paper machine.

References

Informative references

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

Rolls for rolling metal	B21B 27/00
Registering, tensioning, smoothing or guiding webs	B65H 23/00
Methods and devices for coating paper webs in general	D21H
Rolls in general	F16C 13/00

Special rules of classification

Subgroups and head groups.

If a document concerns embodiments which are covered by several subgroups dependent on a higher hierarchy group, the following rules apply:

the specific technical information relevant for some of the subgroups is classified in all said subgroups;

if relevant, the structural association (e.g. the combination) of the elements covered by the subgroups is classified in the head group;

analogously, if generic technical information common to all of the subgroups is disclosed and only schematic embodiments of the specific subgroup embodiments are represented, the documents is classified in the head group only.

Glossary of terms

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

Section	portion of a paper production machine effecting a certain process step, for example forming, pressing, drying, calendering, coating, ...;
Doctor	device or cleaning the surface of a band, cylinder or roll or for metering a coating substance on the surface of a web

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Doctors

Definition statement

This place covers:

Doctor devices for paper machines in general.

References

Informative references

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

Application blades in general	B05C 11/04
Doctors for crêping	B31F 1/14
Doctors for printing machines	B41F 9/10
Doctors for coaters	D21H 23/34 , D21H 25/10

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Damping devices

Definition statement

This place covers:

Damping devices for paper machines, i.e. devices for applying moisture in form of water or steam.

References

Limiting references

This place does not cover:

Web conditioning devices arranged in calenders	D21G 1/0093
Damping devices for printing machines	B41F 7/24
Steam blow boxes arranged in the paper machine	D21F 7/008

D21G 9/00

Other accessories for paper-making machines

Definition statement

This place covers:

Devices that can be used e.g. for controlling or measuring parameters, not essential for the technical functioning of the machine; Control systems and methods; Coating devices in combination with paper machine sections;

D21G 9/0009**{Paper-making control systems}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Sensor rolls	G01L 5/00
Fault detection	G01N 21/89
Measuring paper sheets	G01N 33/34

D21G 9/009**{Apparatus for glaze-coating paper webs}****Definition statement***This place covers:*

Coating processes using two rolls rotating at different speed.

Complete papermaking machines (i.e. at least two sections in combination) comprising a coating section in combination with other paper machine sections, e.g. calendering or drying section.

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

Apparatus for coating paper webs in general	D21H 23/00
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