

F21L

LIGHTING DEVICES OR SYSTEMS THEREOF, BEING PORTABLE OR SPECIALLY ADAPTED FOR TRANSPORTATION

Definition statement

This subclass/group covers:

This subclass covers devices or systems designed or specially adapted to be carried, e.g. by hand, or otherwise transported from place to place, e.g. on wheeled supports, in order to provide illumination as and where required, examples: flashlight, pocket lamps,..

References relevant to classification in this subclass

This subclass/group does not cover:

Arrangement or adaptation of portable emergency signal devices on vehicles to be placed on roadways or vehicles	B60Q 7/00
Devices or systems intended for fixed installation, e.g. vehicle lighting, or for use essentially at a permanent location	F21S
Non-electric lighting devices intended to be free-standing, e.g. table lamp, floor lamp	F21S 13/12
Lighting devices intended to be free standing, e.g. table lamp or floor lamp	F21S 6/00
Candle holders	F21V 35/00
Burners, combustion apparatus	F23

Informative references

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

Structural combinations of lighting devices with other articles, not otherwise provided for	F21V 33/00
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Special rules of classification within this subclass

Non-electric lighting devices are classified in groups [F21L 17/00-F21L 26/00](#) only if a special adaptation related to the use of a non-electric light source is of interest. In this subclass, it is desirable to add the Indexing Codes of subclasses [F21W](#) and [F21Y](#).

[F21L 7/00](#), [F21L 11/00](#) are not used for classification, the relevant remaining [F21L](#) is to be used instead

[F21L 15/00-F21L 15/14](#) are not used for classification, the subclass [F21V](#) is to be used instead

F21L 2/00

Systems of lighting devices (systems employing both electric and non-electric light sources or exchangeable light sources F21L27/00)

Definition statement

This subclass/group covers:

Set of plurality of identical portable lighting devices.

Ex.: US2006262525

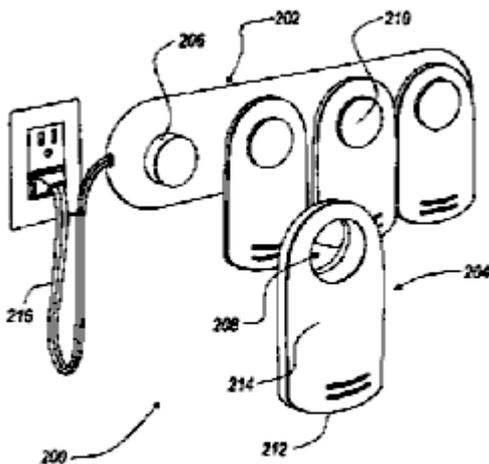


FIG. 17

References relevant to classification in this group

This subclass/group does not cover:

Systems employing lighting devices with a built-in power supply, the lighting devices not being "portable"	F21S 9/00
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Informative references

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

Systems employing both electric and non-electric light sources or exchangeable light sources	F21L 27/00
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F21L 4/00

Electric lighting devices with self-contained electric batteries or cells

Definition statement

This subclass/group covers:

Electrical portable lighting devices being self-powered

References relevant to classification in this group

This subclass/group does not cover:

Lighting devices with a built-in power supply not being "portable"	F21S 9/00
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F21L 4/005

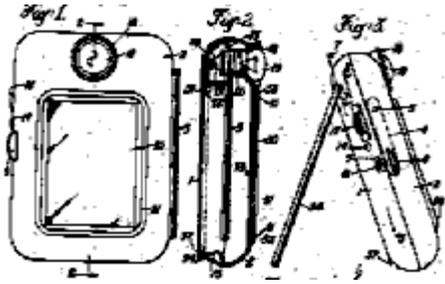
[N: the device being a pocket lamp (F21L4/022, F21L4/045, F21L4/085 take precedence)]

Definition statement

This subclass/group covers:

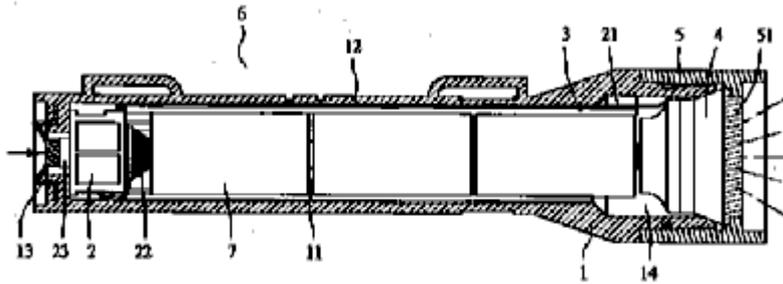
Ex.: US1315457

Flat type self-contained or battery-operated portable electric light



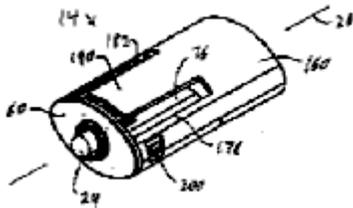
Ex.: US2010315808

Torch



Ex.: US2010220465

squeeze-activated flashlight



References relevant to classification in this group

This subclass/group does not cover:

Pocket lamps characterised by the provision of two or more light sources	F21L 4/022
Pocket lamps characterised by the provision of a light source housing portion adjustably fixed to the remainder of the device	F21L 4/045
Pocket lamps characterised by means for in situ recharging of the batteries or cells	F21L 4/085

Synonyms and Keywords

In patent documents the following words "flashlight", "pocket lamp" and "torch" are often used as synonyms.

F21L 4/025

[N: the light sources being of different shape or type]

Special rules of classification within this group

In this subclass, it is desirable to add the Indexing Codes of subclasses [F21Y 2113/02](#)

F21L 4/027

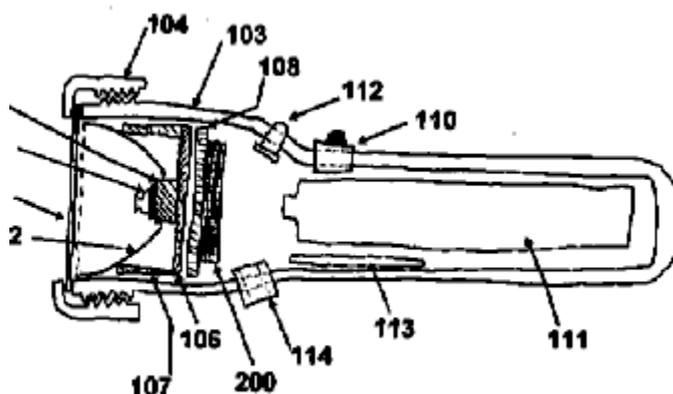
[N: the light sources being a LED]

Definition statement

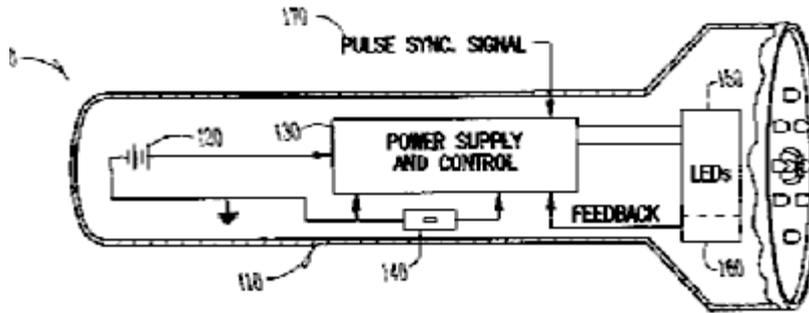
This subclass/group covers:

Pocket lamp, the light emitter of which being one or more LED

Ex.: US2005007777



Ex.: US2007133199



Special rules of classification within this group

In this subclass, it is desirable to add the Indexing Codes [F21Y 2101/02](#)

F21L 4/04

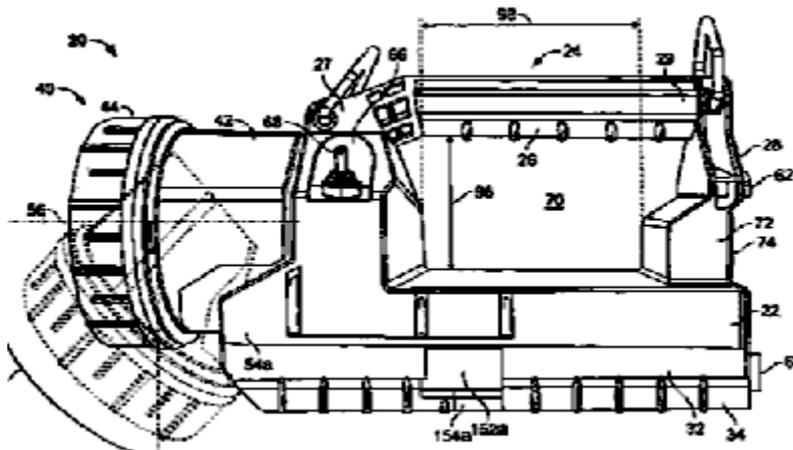
characterised by the provision of a light source housing portion adjustably fixed to the remainder of the device

Definition statement

This subclass/group covers:

Portable lighting device having a head portion mechanically attached to the body part and adjustably attached to it.

Ex.: US2008225518



References relevant to classification in this group

This subclass/group does not cover:

Head portion attached to body part by means of flexible connecting sheath comprising electrical wires	F21L 4/06
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Informative references

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

Head portion of a lighting device being adjustable	F21V 21/30
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F21L 4/06

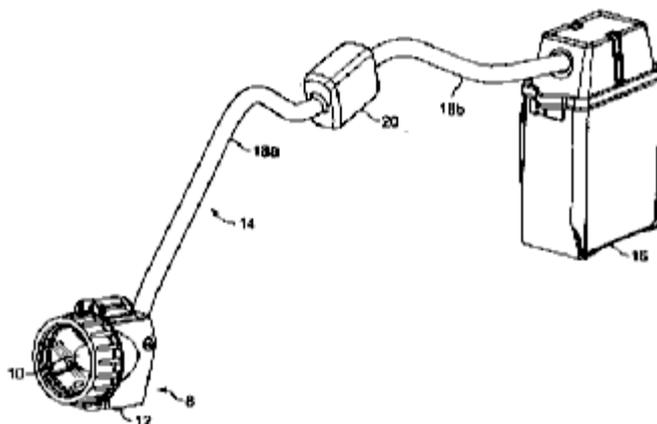
with the light source coupled to the remainder of the device solely by cable

Definition statement

This subclass/group covers:

For example, head portion attached to body part by means of flexible connecting sheath comprising electrical wires

Ex.: EP2078894



References relevant to classification in this group

This subclass/group does not cover:

Portable lighting device with a light source housing portion adjustably fixed to the remainder of the device	F21L 4/04
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F21L 4/08

characterised by means for in situ recharging of the batteries or cells

Definition statement

This subclass/group covers:

Portable lighting device provided with connectors to connect the device to external power supply in order to recharge the batteries, e.g. with built-in accumulators

Portable lighting device provided with accumulators (not shaped like conventional batteries) that can be dismantled in order to be recharged on an external recharging base

Portable lighting devices with solar cells integrated to the body of the lamp

References relevant to classification in this group

This subclass/group does not cover:

Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries	H02J 7/00
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F21L 7/00

[N: IPC6] Torches or pocket-lamps with built-in batteries (F21L4/00 takes precedence)

Definition statement

This subclass/group covers:

Card-shaped pocket lamps

Disposable portable lighting devices

Pocket lamps for 3LR12 batteries.

Special rules of classification within this group

[F21L 7/00](#) is not used for classification, the relevant remaining [F21L](#) is to be used instead

F21L 11/00

Portable lighting devices with built-in batteries or accumulators, e.g. miners' hand-lamps

Definition statement

This subclass/group covers:

Illuminated wand

Safety illuminated belt

Lantern.

Special rules of classification within this group

[F21L 11/00](#) is not used for classification, the relevant remaining [F21L](#) is to be used instead

F21L 13/00

Electric lighting devices with built-in electric generators (with solar cells F21L4/00)

References relevant to classification in this group

This subclass/group does not cover:

Electric lighting devices with solar cells	F21L 4/00
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F21L 13/06

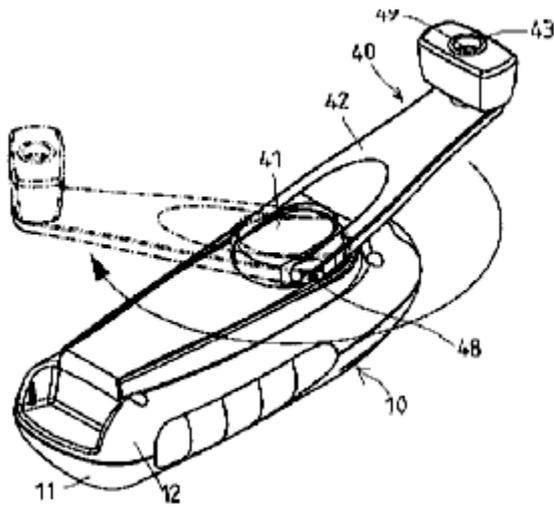
with mechanical drive, e.g. spring

Definition statement

This subclass/group covers:

Ex.: GB2408317

Flashlight having manual charging device



F21L 13/08

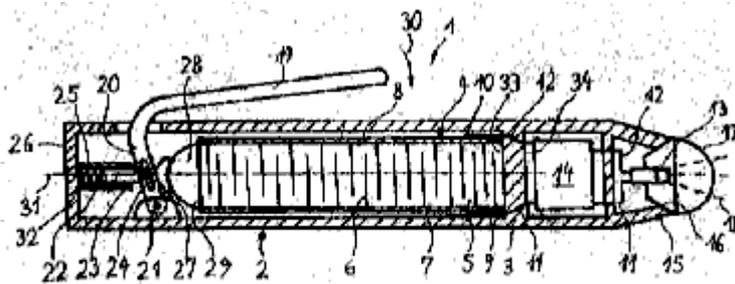
by reciprocating pusher actuated by hand

Definition statement

This subclass/group covers:

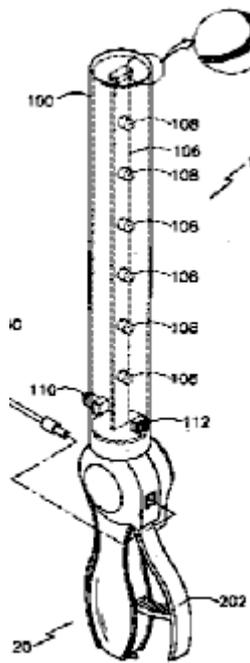
Ex.: EP1450478

Electric power device for portable device with a piezo-converter



Ex.: WO0247056

Portable signal light with a self-generator



F21L 14/00

Electric lighting devices without a self-contained power source, e.g. for mains connection

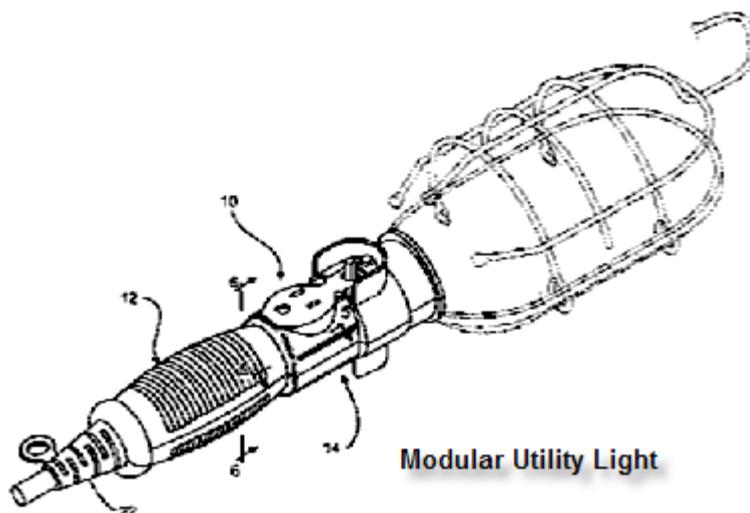
F21L 14/02

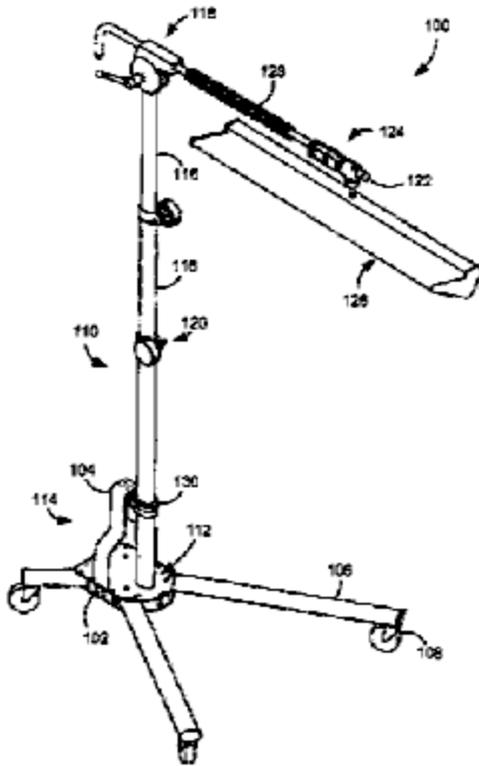
capable of hand-held use, e.g. inspection lamps

Definition statement

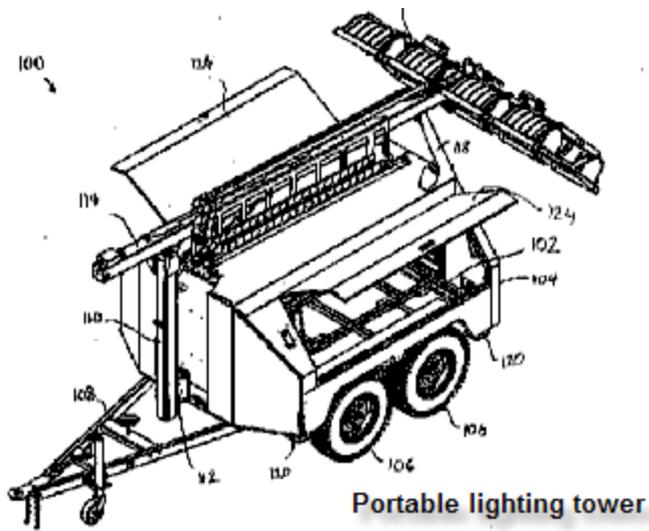
This subclass/group covers:

Ex.: US2010061111



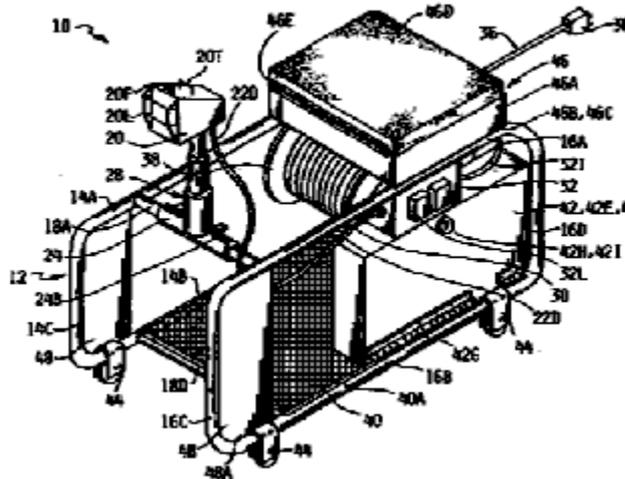


Ex.: WO2006047836



Portable lighting tower

Ex.: US5418701



Informative references

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

Projector or searchlight on land vehicles	B60P 3/18
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F21L 15/00

[N: IPC6] Details of kinds solely applicable to the devices covered by groups F21L2/00 to F21L14/00

F21L 15/02

concerned with light emission or distribution

Informative references

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

Refractors for light sources applied to portable lighting devices	F21V 5/006
Reflectors for light sources for portable lighting devices	F21V 7/0075
Combination of reflectors and refractors for portable lighting devices	F21V 13/045
Changing the characteristics or the distribution of the light emitted by adjustment of light sources in portable	F21V 14/025

lighting devices	
Changing the characteristics or the distribution of the light emitted by adjustment of light sources in portable lighting devices	F21V 14/045
Changing the characteristics or the distribution of the light emitted by adjustment of reflectors in portable lighting devices	F21V 14/065
Changing the characteristics or the distribution of the light emitted by adjustment of refractors in portable lighting devices	F21V 14/085

Special rules of classification within this group

[F21L 15/02](#) is not used for classification, the subclass [F21V](#) is used instead

F21L 15/04

[N: IPC6] Arrangements of coloured filters or screens

Informative references

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

Light filters; selection of luminescent materials for light screens for producing coloured light for portable lighting devices	F21V 9/083
Changing the characteristics or the distribution of the light emitted by adjustment of screens in portable lighting devices	F21V 14/085

Special rules of classification within this group

[F21L 15/04](#) is not used for classification, the subclass [F21V](#) is used instead

F21L 15/06

[N: IPC6] concerned with the fitting

Informative references

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

Arrangements of switches in or on portable lighting devices	F21V 23/0414
Battery containers for portable lighting devices	F21V 15/01

Special rules of classification within this group

[F21L 15/06](#) is not used for classification, the subclass [F21V](#) is used instead

F21L 15/08

[N: IPC6] Supporting and suspending elements

Informative references

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

Supporting, suspending, or attaching arrangements lighting devices; hand grips	F21V 21/00
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Special rules of classification within this group

[F21L 15/08](#) is not used for classification, the subclass [F21V](#) is used instead

F21L 15/10

[N: IPC6] without arrangements for adjustment

Special rules of classification within this group

[F21L 15/10](#) is not used for classification, the subclass [F21V](#) is used instead

F21L 15/14

[N: IPC6] Clips; Clamps; Head fittings (for medical purposes

A61B1/06)

References relevant to classification in this group

This subclass/group does not cover:

Head fittings for medical purposes	A61B 1/06
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Informative references

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

Supporting, suspending, or attaching arrangements for portable lighting devices: Clips, clamps	F21V 21/0885
Supporting, suspending, or attaching arrangements for portable lighting devices: Head fittings	F21V 21/084

Special rules of classification within this group

[F21L 15/14](#) is not used for classification, the subclass [F21V](#) is used instead

F21L 19/00

Lanterns, e.g. hurricane lamps or candle lamps (candle holders F21V35/00)

References relevant to classification in this group

This subclass/group does not cover:

Candle holders	F21V 35/00
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F21L 19/003

Fastening or lifting of the lamp glass (fastening of component parts of lighting devices F21V17/00)

References relevant to classification in this group

This subclass/group does not cover:

Fastening of component parts of the	F21V 17/00
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lighting devices	
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F21L 19/006

Special adaptation for protection against draughts (in lighting devices employing combustion other than lanterns F21V37/02)

References relevant to classification in this group

This subclass/group does not cover:

In lighting devices employing combustion other than lanterns	F21V 37/02
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