EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 133

DATE: DECEMBER 1, 2015

PROJECT DP0043

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

Action	Subclass	Group(s)
New/modified/deleted Definitions (no frozen (F)symbol definitions should be deleted):	H05B	33/0827, 33/083, 33/0842

No other subclasses/groups are impacted by this Notice of Changes.

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 Notice(s)

   ☐ C. New, Modified or Deleted Note(s)

   ☐ D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS (New or Modified)
   ☒ A. DEFINITIONS (Full definition template)

   ☐ B. DEFINITIONS (Definitions Quick Fix)

3. ☐ REVISION CONCORDANCE LIST (RCL)

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

5. ☐ CROSS-REFERENCE LIST (CRL)

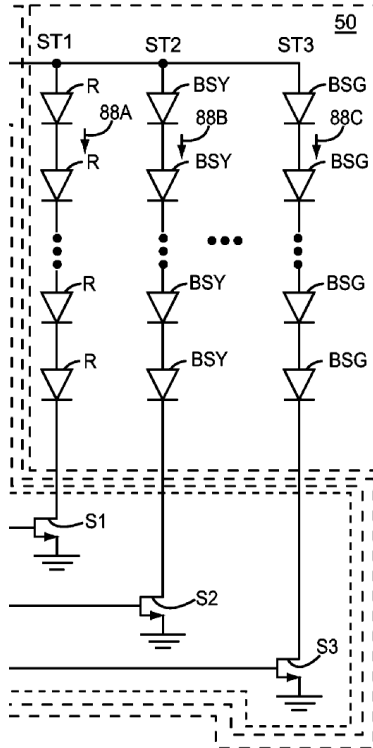# 2. A. DEFINITIONS (i.e. new or modified)

(New Definition)

H05B33/0827

{organized essentially in parallel configuration}

Definition statement

This subgroup covers:

Documents describing LED loads formed by parallel strings of LEDs, wherein each of said strings may be individually controlled by provided circuitry.

RGBs, current mirroring, active current balancers, minimum voltage selectors, in general when the parallel branches are gated for some purpose.

Special rules of classification within this subgroup

This symbol should be given as CCI when the invention relates to the load configuration.

This symbol should be given as CCA a load matching the definition can be observed in the document, but it is not the subject-matter of the invention or no details of it are provided.
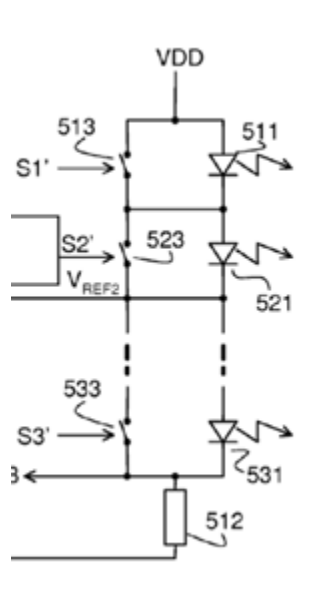
(New Definition)

H05B33/083

{organized essentially in string configuration with shunting switches}

Definition statement

This subgroup covers:

Documents describing LED loads formed by strings of LEDs, wherein each of said LEDs may be individually controlled by provided parallel device (switch, transistor, MOSFET, zener diode, resistor...)

Typical problems appearing in the documents with this symbol are: accommodation of potential in a chain of series-connected LEDs, adaptation of the number of LEDs to various supplied voltages.

Special rules of classification within this subgroup

This symbol should be given as CCI when the invention relates to the load configuration.

This symbol should be given as CCA a load matching the definition can be observed in the document, but it is not the subject-matter of the invention or no details of it are provided.

(New Definition)

H05B33/0842

{with control (H05B33/0884 takes precedence)}

Definition statement

This subclass covers:

Catch-all for LED control aspects not covered by lower subclasses.

Examples of subject matter covered in this subclass: time switching, focus/target/beam control, LED flashes, LEDs as sensors, power saving aspects, shift registers control (simple sequences), emergency lights (when no other aspect is more relevant).

References relevant to classification in this subgroup

This group does not cover:

Protection aspects of LED circuits	H05B33/0884

Informative references

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

Controlling (of light sources in general)	H05B37/02
Controlling by the ambient light	H05B37/0218
Controlling by other parameter (presence...)	H05B37/0227
Controlling by timing means	H05B37/0281
Data bus linked networks	H05B37/0254
Power line carrier linked networks	H05B37/0263
Wireless networks	H05B37/0272

Special rules of classification within this subgroup

Documents relating to control of LEDs but wherein no details about specific aspects of LED control are given may be given this code; in particular in combination of symbols in H05B37/00.

This subclass is a catch-all for LED control details, it is strongly recommended using it only as last resource. Use the subclasses underneath for classifying the relevant control aspects.

H05B33/0845 (control of intensity) and H05B/0857 (colour control) trees are mutually exclusive.