

Title (en)

COMPACT ROBOTIC LOCALLY ADJUSTABLE LIGHTING OF WORKSPACE OF MEDICAL FACILITIES

Title (de)

KOMPAKTE ROBOTISCHE ÖRTLICH EINSTELLBARE BELEUCHTUNG DES ARBEITSRAUMS IN MEDIZINISCHEN EINRICHTUNGEN

Title (fr)

ÉCLAIRAGE ROBOTIQUE COMPACT LOCALEMENT AJUSTABLE POUR L'ESPACE DE TRAVAIL D'INSTALLATIONS MÉDICALES

Publication

EP 3182000 A1 20170621 (EN)

Application

EP 16466001 A 20160113

Priority

CZ 2015901 A 20151215

Abstract (en)

Compact locally adjustable lighting (1) of workspace of medical facilities consists of a group of concentric rings (2) with inner arrangement of the positioning light chains (3) attached in the main arm (4) with an adjacent cover counterpart (5) on the central positioning column (6) continuing on the central positioning column with two degrees of freedom which is attached through a flanged ceiling segment (7) to the ceiling structure. The main arm (4) is attached through a laterally located connecting block (18) in the segment (17) of main arm (4) of the central positioning column (6), when the connecting block (18) with its structure creates the inner space for central lighting (19), as well as camera, measuring and control system. Simultaneously, to the connecting block (18) there is attached a group of auxiliary ribs (20) which are linked spatially to the individual concentric rings (2) which are inserted into the round semicircular recess (21) of inner part of the main arm (4) fixed through the installation of the cover counterpart (5) of the main arm (4). The concentric rings (2) are formed by divided semicircles (32) which primary part forms the lower part (33) which is complemented to the circular cross section through a group of covers (34). The identical halves of the lower part (33) of the partial concentric ring (2) are connected via connector (35) with the second shaped recess (38) provided with a transparent cover (37), while on the opposite side they fit into the semicircular recess (21) formed by the main arm (4) with the cover counterpart (5). The internal arrangement of the positioning light chains (3) consists of a group of interdependent dimensionally identical driven cages (40) which are formed by a pair of dividedly interconnected lateral annular rings (41) with a central base (42) between which there is a connection element (43) of the lamp cap (44) located.

IPC 8 full level

F21V 14/02 (2006.01); **F21V 19/02** (2006.01); **F21V 21/15** (2006.01); **F21W 131/205** (2006.01)

CPC (source: EP)

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Designated contracting state (EPC)

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