

Title (en)
SAFETY CANNULA ASSEMBLY

Title (de)
SICHERHEITSKANÜLENANORDNUNG

Title (fr)
ENSEMBLE CANULE DE SÉCURITÉ

Publication
EP 4355389 A1 20240424 (DE)

Application
EP 22733600 A 20220613

Priority
• DE 102021115548 A 20210616
• EP 2022065975 W 20220613

Abstract (en)
[origin: WO2022263350A1] The invention relates to a safety cannula assembly (1) comprising: a) a cannula (17) for puncturing human or animal tissue, a distal end of said cannula (17) being provided with a tip (18); b) a sliding body (15), the distal end (16) of which is provided with the cannula (17) and the proximal end portion (19) of which is provided with a flexible tube (5), wherein there is a fluidic connection extending through the sliding body (15) between the tip (18) of the cannula (17) and a proximal end of the tube; c) a main body (2) having an interior space (72) in which the sliding body (15) is movably mounted; d) an adjusting element (21) which is located between the main body (2) and the sliding body (15) and by means of which the sliding body (15) can be displaced from a use position, in which the tip (18) of the cannula (17) is located outside the main body (2), to a safety position, in which the tip (18) of the cannula (17) is located inside the main body (2); and e) a trigger mechanism which is located on the main body (2) and by means of which it is possible to trigger the displacement of the sliding body (15) from the use position to the safety position, wherein the trigger mechanism comprises at least one trigger member to which a compressive force can be applied by means of a finger of a person using the safety cannula assembly (1) and which is provided with a locking element (61a, 61b) which can be displaced from a locking position, in which said locking element engages with the sliding body (15) and locks said sliding body in the use position, to a trigger position, in which said locking element is disengaged from the sliding body (15) so that said sliding body moves into the safety position, wherein a distance of the at least one locking element (61a, 61b) from a longitudinal axis of the sliding body (15) can be increased when the locking element (61a, 61b) is displaced from the locking position to the trigger position. In order to make the triggering of the retracting movement of the sliding body (15) safe and ergonomic, according to the invention the at least one trigger member (67a, 67b) and the associated locking element (61a, 61b) are located on different, preferably on opposite, sides of the longitudinal axis (7) of the sliding body (15).

IPC 8 full level
A61M 5/158 (2006.01); **A61B 5/15** (2006.01); **A61M 5/32** (2006.01); **A61M 25/06** (2006.01)

CPC (source: EP US)
A61M 5/158 (2013.01 - EP); **A61M 25/0631** (2013.01 - EP US); **A61M 25/0637** (2013.01 - EP); **A61B 5/15003** (2013.01 - EP); **A61B 5/150259** (2013.01 - EP); **A61B 5/150648** (2013.01 - EP); **A61B 5/150992** (2013.01 - EP); **A61M 5/3257** (2013.01 - EP); **A61M 2005/1586** (2013.01 - EP); **A61M 2005/3247** (2013.01 - EP); **A61M 2025/006** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021115548 A1 20221222; BR 112023026305 A2 20240305; EP 4355389 A1 20240424; US 2024181221 A1 20240606;
WO 2022263350 A1 20221222

DOCDB simple family (application)
DE 102021115548 A 20210616; BR 112023026305 A 20220613; EP 2022065975 W 20220613; EP 22733600 A 20220613;
US 202318532932 A 20231207