

Title (en)
DEVICE FOR GENERATING AND STORING CARBON DIOXIDE SNOW

Title (de)
VORRICHTUNG ZUM ERZEUGEN UND SPEICHERN VON KOHLENDIOXIDSCHNEE

Title (fr)
DISPOSITIF DE PRODUCTION ET DE STOCKAGE DE NEIGE CARBONIQUE

Publication
EP 4132881 A1 20230215 (DE)

Application
EP 21713002 A 20210317

Priority
• DE 102020002206 A 20200408
• EP 2021056874 W 20210317

Abstract (en)
[origin: WO2021204509A1] The invention relates to a device for generating and storing carbon dioxide snow, comprising a container into which an expansion nozzle connected to a supply line for liquid carbon dioxide and a gas extraction line open, a removal device for removing carbon dioxide snow out of the container, and a measuring device for detecting the fill level of the carbon dioxide snow in the container. According to the invention, the measuring device comprises a photoelectric sensor unit which is arranged at a vertical distance to the base of the container and which comprises a light-emitting transmitter and a light-sensitive receiver.

IPC 8 full level
C01B 32/50 (2017.01); **C01B 32/55** (2017.01)

CPC (source: EP US)
C01B 32/55 (2017.08 - EP 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

DOCDB simple family (publication)
DE 102020002206 A1 20211014; BR 112022020220 A2 20221213; CN 115485238 A 20221216; CN 115485238 B 20240426;
EP 4132881 A1 20230215; US 2023124187 A1 20230420; WO 2021204509 A1 20211014

DOCDB simple family (application)
DE 102020002206 A 20200408; BR 112022020220 A 20210317; CN 202180024500 A 20210317; EP 2021056874 W 20210317;
EP 21713002 A 20210317; US 202117907427 A 20210317