

Title (en)  
ACCESSIBLE COOLING SYSTEM, ESPECIALLY FOR CRYOPRESERVING BIOLOGICAL SAMPLES, AND METHOD FOR THE OPERATION THEREOF

Title (de)  
BEGEHBARE KÜHLANLAGE, INSBESONDERE ZUR KRYOKONSERVIERUNG BIOLOGISCHER PROBEN, UND VERFAHREN ZU DEREN BETRIEB

Title (fr)  
INSTALLATION FRIGORIFIQUE ACCESSIBLE À UNE PERSONNE DEBOUT ET DESTINÉE NOTAMMENT À LA CRYOCONSERVATION D'ÉCHANTILLONS BIOLOGIQUES, ET PROCÉDÉ POUR FAIRE FONCTIONNER UNE TELLE INSTALLATION

Publication  
**EP 2671034 A2 20131211 (DE)**

Application  
**EP 12702189 A 20120201**

Priority  
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• EP 2012000451 W 20120201

Abstract (en)  
[origin: CA2825234A1] A cooling system (1), especially for cryopreserving biological samples (2), comprises a cooling chamber (100) delimited by a bottom area (110), side walls (120), and a top area (130), and a cooling device (200) for cooling the cooling chamber (100) using liquid nitrogen (220). The bottom area (110) is designed for direct cooling using the liquid nitrogen, and the cooling chamber (100) is dimensioned such that an operator (3) can access and move around in the cooling chamber (100). The bottom area (110) has a platform (111) which is permeable to vapor of the liquid nitrogen (220) and forms a support zone for the operator (3). Methods for operating the cooling system are also described.

IPC 8 full level  
**F25D 3/10** (2006.01)

CPC (source: EP US)  
**A01N 1/0257** (2013.01 - EP); **F25D 3/10** (2013.01 - US); **F25D 3/102** (2013.01 - EP US); **F25D 13/04** (2013.01 - EP); **F25D 25/00** (2013.01 - EP US); **F25D 29/001** (2013.01 - EP US)

Citation (examination)  
• US 3648474 A 19720314 - MOLINE SHELDON W  
• US 3447334 A 19690603 - KIMBALL JOHN G  
• See also references of WO 2012104080A2

Designated contracting state (EPC)  
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