

Title (en)
Cooling line apparatus

Title (de)
Kühlstrecke

Title (fr)
Dispositif de refroidissement en ligne

Publication
EP 1152198 A1 20011107 (FR)

Application
EP 01400867 A 20010404

Priority
FR 0005645 A 20000503

Abstract (en)
A device chills articles on a conveyor using dry ice. The device has a dry ice generator connected to projection chamber whose opposite end is open. A continuous supply of gaseous carbon dioxide is also connected to chamber. An Independent claim is included for the following: (a) Equipment making a fresh creamy or paste like food product has a conveyor, stations forming product, cutting it into separate articles and packaging it and also a chilling device as above. Preferred Features: The gaseous carbon dioxide is produced from liquid carbon dioxide and supplied at about 0 degrees C. The dry ice is also produced from the same liquid. The gas comes via a distributor and a pipe to the chambers. The chambers are supported by the distributor via the pipe.

Abstract (fr)
Ce dispositif de refroidissement en ligne (20) par dépôt contrôlé de neige carbonique, comporte une chambre de projection de neige carbonique (78), cette chambre comportant une extrémité de sortie ouverte (79), des moyens de production de neige carbonique (80) raccordés à la chambre, et en outre des moyens de fourniture permanente de CO2 gazeux (66, 74) raccordés à la chambre (78). L'invention s'applique notamment aux installations de production de produits alimentaires. <IMAGE>

IPC 1-7
F25D 3/12; **F25D 29/00**

IPC 8 full level
F17C 7/00 (2006.01); **F17C 7/02** (2006.01); **F25D 3/12** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP)
F17C 7/00 (2013.01); **F17C 7/02** (2013.01); **F25D 3/127** (2013.01); **F25D 29/001** (2013.01); **F17C 2205/0323** (2013.01); **F17C 2205/0326** (2013.01); **F17C 2221/013** (2013.01); **F17C 2223/0123** (2013.01); **F17C 2250/06** (2013.01); **F17C 2265/015** (2013.01)

Citation (search report)
• [XY] EP 0872563 A1 19981021 - AIR LIQUIDE [FR]
• [DYA] FR 2762190 A1 19981023 - CARBOXYQUE FRANCAISE [FR]
• [A] US 3014705 A 19611226 - EDWARD COLUCCI STEVE

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ITMI20131477A1; WO2015033300A1

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EP 1152198 A1 20011107; **EP 1152198 B1 20041110**; AT E282183 T1 20041115; DE 60107008 D1 20041216; DE 60107008 T2 20060316; ES 2231402 T3 20050516; FR 2808585 A1 20011109; FR 2808585 B1 20020628

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