

Title (en)
Cooling process and tunnel.

Title (de)
Kälteverfahren und -tunnel.

Title (fr)
Procédé et tunnel de refroidissement.

Publication
EP 0250318 A1 19871223 (FR)

Application
EP 87401357 A 19870617

Priority
FR 8608774 A 19860618

Abstract (en)
[origin: US4757691A] Liquid carbon dioxide is injected through one end into the upper compartment (14) of the tunnel. The gaseous CO₂ is circulated in the lower compartment (13) partly in a countercurrent manner and partly in a cocurrent manner relative to the objects (22) to be cooled, by a central fan (9). Application in the temporary hardening of products of rubber and plastics material and in the precise cooling of food products.

Abstract (fr)
De l'anhydride carbonique liquide est injecté par une extrémité dans le compartiment supérieur (14) du tunnel. Le CO₂ gazeux est mis en circulation dans le compartiment inférieur (13) partie à contre-courant, partie à co-courant des objets (22) à refroidir, par un ventilateur central (9). Application au durcissement temporaire des caoutchoucs et des matières plastiques et au refroidissement précis de produits alimentaires.

IPC 1-7
F25D 3/11

IPC 8 full level
F25D 3/11 (2006.01)

CPC (source: EP US)
F25D 3/11 (2013.01 - EP US)

Citation (search report)

- [YD] EP 0024159 A2 19810225 - AIR PROD & CHEM [US]
- [Y] FR 1575286 A 19690718
- [A] NL 103387 B 19460215
- [A] GB 1283073 A 19720726 - MEAGHER GEORGE

Cited by
EP2733447A1; CN112639365A; US8535122B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

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EP 0250318 A1 19871223; EP 0250318 B1 19930915; AT E94632 T1 19931015; AU 588199 B2 19890907; AU 7442487 A 19871224; CA 1298714 C 19920414; DE 3787406 D1 19931021; DE 3787406 T2 19940113; ES 2043677 T3 19940101; FR 2600406 A1 19871224; FR 2600406 B1 19880805; US 4757691 A 19880719

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