

Title (en)
Nozzle wall element for a cooling tunnel

Title (de)
Düsenwandelement für einen Kühltunnel

Title (fr)
Buse de paroi pour tunnel de refroidissement

Publication
EP 2546590 A3 20170322 (DE)

Application
EP 12171953 A 20120614

Priority
• DE 102011079132 A 20110714
• DE 102011080807 A 20110811

Abstract (en)
[origin: EP2546590A2] Nozzle wall element for a cooling tunnel for cooling products e.g. dairy products, by stacking the products to be cooled, and subjecting the obtained product stack (7) to a coolant flow (6), which is supplied to one side of the product stack, through nozzles in the nozzle wall element, penetrates the product stack, and is suctioned on the other side of the product stack, comprises a frame element (15) and a contact surface element with nozzles, where a contact surface of the contact surface element (16) is contacted at least partially with the product stack during cooling process of products. Nozzle wall element for a cooling tunnel for cooling products e.g. dairy products, by stacking the products to be cooled, and subjecting the obtained product stack (7) to a coolant flow (6), which is supplied to one side of the product stack, through nozzles in a nozzle wall element, penetrates the product stack, and is suctioned on the other side of the product stack, comprises a frame element (15) and a contact surface element with nozzles, where a contact surface of the contact surface element (16) is contacted at least partially with the product stack during cooling process of the products such that the coolant flow flows directly into the product stack by a part of nozzle openings. An independent claim is also included for cooling the products e.g. dairy products.

IPC 8 full level
F25D 17/00 (2006.01); **F25D 17/06** (2006.01); **F25D 17/04** (2006.01)

CPC (source: EP)
F25D 17/005 (2013.01); **F25D 17/06** (2013.01); **F25D 17/045** (2013.01)

Citation (search report)
• [X] DE 29900870 U1 19990415 - RUD OTTO MEYER GMBH & CO KG [DE]
• [A] GB 1425717 A 19760218 - BURGER EISENWERKE AG
• [A] FR 2498429 A1 19820730 - CARBOXYQUE FRANCAISE [FR]
• [A] US 3688518 A 19720905 - GOLTSOS COSTAS E
• [E] WO 2013060586 A1 20130502 - VOITH PATENT GMBH [DE], et al

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

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