

Title (en)
PROCESSING UNIT FOR FOOD OR PHARMACEUTICAL PRODUCTS

Title (de)
VERARBEITUNGSEINHEIT FÜR LEBENSMITTEL- ODER PHARMAZEUTISCHE PRODUKTE

Title (fr)
UNITÉ DE TRAITEMENT POUR PRODUITS ALIMENTAIRES OU PHARMACEUTIQUES

Publication
EP 3434374 A1 20190130 (EN)

Application
EP 17425067 A 20170627

Priority
EP 17425067 A 20170627

Abstract (en)
A processing unit is described for food or pharmaceutical products, in particular centrifugation, grinding and homogenization of food or pharmaceutical products, comprising: a casing (10) defining a chamber (7) for containing the products inside which first processing devices (9) are housed; a shaft (11) revolving around an axis (A) and provided with second processing devices (13) interacting with the first processing devices (9); a sealing member (15) positioned to prevent outflow of the products from the chamber (7) towards the shaft (11); and a cooling circuit configured to convey a cooling fluid (6) towards the sealing member (15); the cooling circuit comprises an impeller (35) operatively connected to the shaft (11) and configured to move the cooling fluid (6) towards a heat exchange area between the sealing member (15) and the cooling fluid (6).

IPC 8 full level
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CPC (source: EP)
B02C 18/062 (2013.01); **B02C 18/24** (2013.01)

Citation (search report)
• [Y] US 3701488 A 19721031 - FISHER CHESTER DONALD
• [Y] US 5803463 A 19980908 - BROOKS CLIVE A [US], et al
• [Y] US 3888495 A 19750610 - MAYER EHRHARD
• [Y] DE 9318143 U1 19940127 - ABEL GMBH & CO [DE]
• [Y] US 4191386 A 19800304 - HERSHEY LOWELL E [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

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