

Title (en)
Modular device for the vacuum heat treatment

Title (de)
Modulare Einrichtung zur Wärmebehandlung unter Vakuum

Title (fr)
Installation de traitement thermique sous vide modulaire

Publication
EP 0922778 B1 20020821 (FR)

Application
EP 98410138 A 19981202

Priority
FR 9715506 A 19971202

Abstract (en)
[origin: EP0922778A1] The common enclosure of the heat treatment installation is a cylinder (10) with a horizontal axis of which at least one end is designed to receive a module (8) in the form of an extended cylinder (10') to which are connected some supplementary cells (14'). A heat treatment installation is operated under a rarified atmosphere and incorporates several treatment cells (14, 15, 16) connected in a horizontal plane to a common airtight enclosure fitted with a handling system (18, 22) for transferring a charge (24) from one cell to another. The common enclosure is a cylinder (10) with a horizontal axis of which at least one end is designed to receive a module (8) in the form of an extended cylinder (10') to which are connected some supplementary cells (14').

IPC 1-7
C21D 9/00; **F27B 9/02**; **F27B 9/20**; **C21D 1/773**

IPC 8 full level
C21D 1/74 (2006.01); **C21D 9/00** (2006.01); **F27B 9/02** (2006.01); **F27B 9/04** (2006.01); **F27B 17/00** (2006.01)

CPC (source: EP US)
C21D 1/74 (2013.01 - EP US); **C21D 9/0018** (2013.01 - EP US); **C21D 9/0062** (2013.01 - EP US); **F27B 9/029** (2013.01 - EP US); **F27B 9/042** (2013.01 - EP US); **F27B 2017/0091** (2013.01 - EP US)

Cited by
DE10118244C1; FR2864106A1; DE10359458B4; DE10359458A1

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AT BE CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
US 6065964 A 20000523; AT E222608 T1 20020915; CA 2255343 A1 19990602; CA 2255343 C 20061017; DE 69807305 D1 20020926; DE 69807305 T2 20030417; EP 0922778 A1 19990616; EP 0922778 B1 20020821; ES 2181148 T3 20030216; FR 2771754 A1 19990604; FR 2771754 B1 20000211; JP H11237185 A 19990831; KR 100602225 B1 20061024; KR 19990062712 A 19990726

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