

Title (en)

PROCESS AND APPARATUS FOR THE RAPID COOLING OF A HIP SET-UP

Publication

**EP 0185947 B1 19880615 (DE)**

Application

**EP 85114965 A 19851126**

Priority

DE 3443664 A 19841130

Abstract (en)

[origin: EP0185947A1] 1. Process for the rapid cooling of the contents of an installation for hot isostatic pressing (HIP installation), in which in the container a gas stream is established from the heated HIP material towards the inner wall of the container, for the purpose of cooling, wherein one or more heat regenerators (21, 34) are arranged inside the container (11) in a substantially cooler zone (19), the stream of cooling gas coming from the HIP material (16) being passed through said heat regenerators.

IPC 1-7

**B22F 3/14**; **B30B 15/34**

IPC 8 full level

**B22F 3/14** (2006.01); **B22F 3/15** (2006.01); **B30B 15/34** (2006.01); **F25D 1/00** (2006.01); **F27B 17/00** (2006.01)

CPC (source: EP)

**B22F 3/15** (2013.01); **B30B 11/002** (2013.01)

Cited by

EP0502704A1; US5251880A; EP3021063A4; US9358747B2; US9651309B2; WO2009076973A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0185947 A1 19860702**; **EP 0185947 B1 19880615**; AT E35098 T1 19880715; DE 3443664 A1 19860605; DE 3563315 D1 19880721; JP S61205761 A 19860911; NO 854811 L 19860602

DOCDB simple family (application)

**EP 85114965 A 19851126**; AT 85114965 T 19851126; DE 3443664 A 19841130; DE 3563315 T 19851126; JP 26762585 A 19851129; NO 854811 A 19851129