

Title (en)

Hot isostatic pressing apparatus.

Title (de)

Vorrichtung zum isostatischen Heissverdichten.

Title (fr)

Dispositif pour compresser isostatiquement à chaud.

Publication

EP 0171191 A1 19860212 (EN)

Application

EP 85304843 A 19850708

Priority

- JP 14380984 A 19840710
- JP 17140084 U 19841112
- JP 19749284 A 19840919
- JP 19749384 A 19840919
- JP 23908984 A 19841113
- JP 23909084 A 19841113

Abstract (en)

Hot isostatic pressing apparatus wherein a material to be processed such as preliminarily shaped metal powder is charged into a high pressure vessel (1027) provided with a heater (1029) and the material to be pressed by superhigh pressure of fluid or gas sealed into the vessel and heating by a heater. The apparatus comprises a main station (1026) including a high pressure vessel (1027), a movable cover (1033), a member for moving the material to be processed; one or more auxiliary stations including an inserting station, a prehating station, a removing station, all joined to a sealed tank (1001); and transfer means for the material to be processed. The apparatus also includes a seal leakage detector.

A continuous hot isostatic pressing appts. has a main station with a hot isostatic pressing and forming high pressure vessel with a movable cover, an inserting station and a removing station for material to be processed, and a sealed tank which communicates with the vessel and operating chambers of the stations.

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IPC 8 full level

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CPC (source: EP KR)

B22F 3/03 (2013.01 - EP); **B22F 3/15** (2013.01 - EP); **B30B 9/28** (2013.01 - KR); **B30B 11/002** (2013.01 - EP); **F27B 17/00** (2013.01 - KR)

Citation (applicant)

- US 3698843 A 19721017 - BOWLES ARNOLD G, et al
- DE 3239316 A1 19830609 - KOBE STEEL LTD [JP]

Citation (search report)

- DE 3239316 A1 19830609 - KOBE STEEL LTD [JP]
- EP 0109243 A1 19840523 - KOBE STEEL LTD [JP]
- US 3698843 A 19721017 - BOWLES ARNOLD G, et al

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Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0171191 A1 19860212; **EP 0171191 B1 19880928**; DE 3565216 D1 19881103; KR 860000908 A 19860220; KR 900001857 B1 19900324

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