

Title (en)

METHOD FOR PRODUCING METALLIC TITANIUM AND APPARATUS THEREFOR

Publication

**EP 0299791 B1 19921021 (EN)**

Application

**EP 88306510 A 19880715**

Priority

- JP 17701487 A 19870717
- JP 19018687 A 19870731

Abstract (en)

[origin: EP0299791A1] A method for producing metallic titanium (34) by the reduction of titanium tetrachloride with a reducing metal agent, capable of continuously producing metallic titanium on an industrial scale. The temperature and pressure of the reaction zone (12) are kept above the melting point of metallic titanium and at least above the vapour pressure of the reducing metal agent, respectively, so that the reducing metal agent and its chloride (13) may be kept in a molten state but without boiling.

IPC 1-7

**C22B 5/04; C22B 34/12**

IPC 8 full level

**C22B 34/12** (2006.01)

CPC (source: EP)

**C22B 34/1272** (2013.01)

Cited by

US5958106A; EA014948B1; EP0777753A4; US9630251B2; US7435282B2; US7445658B2; WO2008039047A1; US7776128B2; US8157885B2

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**EP 88306510 A 19880715**; AU 1904488 A 19880714; CA 571625 A 19880708; DE 3875411 T 19880715