

Title (en)

Preparation of high-purity metal powder from metal alkoxides

Title (de)

Herstellung von Reinstmetallpulver aus Metallalkoxiden

Title (fr)

Préparation de poudre de métal de haute pureté à partir d'alkoxydes de métal

Publication

EP 0667200 B1 19980826 (DE)

Application

EP 95101419 A 19950202

Priority

DE 4404747 A 19940215

Abstract (en)

[origin: EP0667200A1] Prodn. of high purity metal powder is effected by reaction of volatile alkoxide cpd(s). with a redn. gas, pref. H₂ opt. diluted with an inert carrier gas selected from the noble gases, pref. Ar. Pref. the metal alkoxide is an alkoxide of a gp. 3-14 element (IUPAC 1985) and reaction is carried out at 400-1400 (pref. 600-1200) degrees C. The alkoxide is pref. selected from chromium tert.-butoxide, niobium methoxide, niobium ethoxide, tantalum methoxide, tantalum ethoxide, tungsten methoxide and tungsten ethoxide.

IPC 1-7

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CPC (source: EP KR US)

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EP 0667200 A1 19950816; **EP 0667200 B1 19980826**; AT E170116 T1 19980915; CA 2142254 A1 19950816; CN 1112467 A 19951129; DE 4404747 A1 19950817; DE 4404747 C2 19951214; DE 59503295 D1 19981001; IL 112620 A0 19950526; IL 112620 A 19970930; JP H07252511 A 19951003; KR 950031331 A 19951218; RU 2126735 C1 19990227; RU 95101844 A 19970310; TW 257706 B 19950921; US 5711783 A 19980127

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