

Title (en)

METHOD FOR TREATING ORGANIC WASTE

Title (de)

VERFAHREN ZUR BEHANDLUNG VON ORGANISCHEN ABFALLSTOFFEN

Title (fr)

PROCEDE DE TRAITEMENT DE DECHETS ORGANIQUES

Publication

**EP 0644789 B1 19970205 (EN)**

Application

**EP 93915232 A 19930608**

Priority

- US 9305398 W 19930608
- US 89535892 A 19920608

Abstract (en)

[origin: WO9325277A1] A method is disclosed which relates to treating an organic waste containing hydrogen and carbon in molten metal contained in a vessel to sequentially form enriched hydrogen and carbon oxide gas streams. In one embodiment, the organic waste is introduced into molten metal, without the addition of a separate oxidizing agent and under conditions sufficient to decompose the organic waste and to generate an enriched hydrogen gas stream and to carbonize the molten metal. Thereafter, a separate oxidizing agent is added into the carbonized molten metal to oxidize the carbon contained in the carbonized molten metal to thereby generate an enriched carbon oxide gas stream and to decarbonize the molten metal.

IPC 1-7

**A62D 3/00**; **C10J 3/57**

IPC 8 full level

**A62D 3/32** (2007.01); **C01B 3/22** (2006.01); **C10J 3/57** (2006.01); **A62D 101/20** (2007.01)

CPC (source: EP)

**A62D 3/32** (2013.01); **C10J 3/57** (2013.01); **A62D 2101/20** (2013.01); **C10J 2300/0946** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9325277 A1 19931223**; AT E148636 T1 19970215; AU 4529293 A 19940104; AU 667118 B2 19960307; BR 9306669 A 19981208; CA 2136074 A1 19931223; DE 69308020 D1 19970320; DE 69308020 T2 19970522; DK 0644789 T3 19970818; EP 0644789 A1 19950329; EP 0644789 B1 19970205; ES 2097521 T3 19970401; GR 3022911 T3 19970630; JP H07507591 A 19950824; MD 960181 A 19980731; RU 2118192 C1 19980827; RU 94046361 A 19970427

DOCDB simple family (application)

**US 9305398 W 19930608**; AT 93915232 T 19930608; AU 4529293 A 19930608; BR 9306669 A 19930608; CA 2136074 A 19930608; DE 69308020 T 19930608; DK 93915232 T 19930608; EP 93915232 A 19930608; ES 93915232 T 19930608; GR 970400596 T 19970326; JP 50163594 A 19930608; MD 960181 A 19930608; RU 94046361 A 19930608