

Title (en)
PROCESS FOR RECOVERING IRON FROM IRON-RICH MATERIAL

Title (de)
VERFAHREN ZUM WIEDERGEWINNEN VON EISEN AUS EISENREICHEN MATERIALIEN

Title (fr)
PROCEDE DE RECUPERATION DU CONTENU DANS DES MATERIAUX RICHES EN FER

Publication
EP 0831984 A4 19980909 (EN)

Application
EP 96905442 A 19960208

Priority
• US 9601798 W 19960208
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• US 54697595 A 19951023

Abstract (en)
[origin: WO9639290A1] Iron-rich material waste products, such as electric arc furnace dust, are formed with an organic binder into discrete shapes, such as briquettes and/or other solid shapes. The shapes can then be used in iron and steel making processes and the iron and heavy metal values in the waste product recovered.

IPC 1-7
B29B 9/08; **B29C 47/36**; **C22B 1/16**; **C22B 1/245**; **C22B 7/02**

IPC 8 full level
B09B 3/00 (2006.01); **B29B 9/08** (2006.01); **C08J 5/02** (2006.01); **C21B 5/00** (2006.01); **C21B 13/00** (2006.01); **C21C 5/38** (2006.01); **C21C 5/52** (2006.01); **C22B 1/16** (2006.01); **C22B 1/24** (2006.01); **C22B 1/244** (2006.01); **C22B 7/02** (2006.01); **B29C 48/00** (2019.01); **B29C 48/03** (2019.01)

CPC (source: EP KR)
B29B 9/08 (2013.01 - EP KR); **B29C 48/03** (2019.02 - KR); **C21B 5/007** (2013.01 - EP KR); **C21B 13/00** (2013.01 - EP); **C21B 13/0066** (2013.01 - EP KR); **C22B 1/24** (2013.01 - EP); **C22B 1/244** (2013.01 - EP KR); **C22B 7/02** (2013.01 - EP KR); **B29C 48/00** (2019.02 - EP); **B29C 48/03** (2019.02 - EP); **C21C 5/527** (2013.01 - EP); **Y02P 10/20** (2015.11 - EP)

Citation (search report)
• [PX] WO 9520022 A1 19950727 - ENVIRONMENTAL TECH GROUP [US]
• [A] US 3836343 A 19740917 - ROMEY I, et al
• [A] EP 0053921 A2 19820616 - REVERTEX SOUTH AFRICA [ZA]
• [A] US 3893847 A 19750708 - DERRICK ARTHUR PERCY
• [XA] DATABASE WPI Section Ch Week 16, 1993 Derwent World Patents Index; Class C10, AN 93-132057, XP002070269
• See also references of WO 9639290A1

Designated contracting state (EPC)
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WO 9639290 A1 19961212; AU 4920096 A 19961224; AU 703815 B2 19990401; BR 9608411 A 19981229; CA 2223044 A1 19961212; EP 0831984 A1 19980401; EP 0831984 A4 19980909; HU P9801753 A2 19981130; JP H11506168 A 19990602; KR 19990022152 A 19990325; NZ 303005 A 19981125; PL 323625 A1 19980414; TR 199701542 T1 19980221

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