

Title (en)
SELF-REDUCING IRON OXIDE AGGLOMERATES

Publication
EP 0044669 B1 19880406 (EN)

Application
EP 81303130 A 19810709

Priority
US 17064380 A 19800721

Abstract (en)
[origin: EP0044669A1] Self-reducing agglomerates of an iron oxide-containing material, such as an iron ore concentrate, having a compressive strength of at least about 45 Kg. are produced by preparing a moistened mixture of the ore concentrate, a finely-divided natural pyrolyzed carbonaceous material having a volatile matter (on dry basis) content of about 20% by weight or less in an amount at least sufficient to reduce all the iron oxide to metallic iron, about 1 to about 30% by weight of a bonding agent, such as burned or hydrated lime, and 0 up to about 3% by weight of a siliceous material (as SiO₂), such as silica; forming green agglomerates from this mixture; and hydrothermally hardening the green agglomerates by contacting them with steam under pressure.

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C22B 1/245; **C22B 1/24**

IPC 8 full level
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CPC (source: EP)
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Cited by
EP0858516A4; CN1294281C; FR2520756A1; US5064174A; US5066325A; CN105907954A; EP0960952A1; US5045112A; US5055131A; WO2006061787A1; WO0177395A1; US7628839B2; US7632335B2; US7641712B2; US6602320B2; US7695544B2; US8158054B2

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