

Title (en)
Treatment of iron ore

Title (de)
Behandlung von Eisenerzen

Title (fr)
Traitement de minerais de fer

Publication
EP 0602880 B1 19980603 (EN)

Application
EP 93309814 A 19931207

Priority
GB 9226454 A 19921218

Abstract (en)
[origin: EP0602880A1] Apparatus for treating iron ore, comprising an elongate and generally cylindrical inclined kiln (32) mounted for rotation about its longitudinal axis. A drive motor (36) is coupled to the kiln (32) to rotate the latter about that axis. A moving grate (12) is positioned at the upper end of the kiln (32) to feed iron ore pellets into the kiln (32) while the latter is rotating. Port-defining means (69) are provided in the generally cylindrical wall of the kiln (32) to enable gaseous material to be fed into the interior of the kiln (32) at at least one position between the ends thereof. The port-defining means (69) are of such a construction that they are open when they are underneath the iron ore in the kiln (32). Gaseous oxidising material feed means (76,78) are connected to the port-defining means (69) to feed such oxidising material thereto, whereby oxidizing gaseous material is passed through the iron ore in the kiln (32) when the apparatus is in use so as to raise the temperature of the iron ore, by oxidation thereof, and cause the latter to be indurated. <IMAGE>

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C22B 1/24

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Cited by
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