

Title (en)
AGGLOMERATED ORE ASSESSING METHOD AND AGGLOMERATED ORE

Title (de)
VERFAHREN ZUR BEURTEILUNG VON AGGLOMERIERTEM ERZ UND AGGLOMERIERTES ERZ

Title (fr)
PROCÉDÉ D'ÉVALUATION DE MINERAI AGGLOMÉRÉ ET MINERAI AGGLOMÉRÉ

Publication
EP 4353840 A1 20240417 (EN)

Application
EP 22824549 A 20220309

Priority
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Abstract (en)
An agglomerated ore assessing method is provided that can assess clustering of reduced iron when it has been reduced at a high hydrogen concentration, with thermal compensation using blowing sensible heat taken into account. In this method, agglomerated ore is reduced while being subjected to a predetermined load at 1000°C to 1200°C, both inclusive, to produce a reduced aggregate; a tumble treatment is performed on the reduced aggregate using a tumble tester; cluster strength CS of the reduced aggregate calculated by Formula (1) below is measured; and a clustering property of the agglomerated ore is assessed using the cluster strength CS: $CS = (W'/W) \times 100 \dots (1)$, where CS is cluster strength (mass %); W is the mass (g) of a reduced aggregate that is equal to or larger than a maximum particle diameter of the agglomerated ore; and W' is the mass (g) of a reduced aggregate after a tumble treatment in the tumble tester that is equal to or larger than the maximum particle diameter of the agglomerated ore.

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