

Title (en)

PROCESS TO SEPARATE STEEL-CONTAINING PARTS FROM A METAL-SLAG WASTE STREAM, USING A HIGH-GRADIENT MAGNETIC SEPARATION UNIT

Title (de)

VERFAHREN ZUR TRENNUNG VON STAHLHALTIGEN TEILEN VON EINEM METALLSCHLACKENABFALLSTROM UNTER VERWENDUNG EINER HOCHGRADIENTEN-MAGNETABSCHIEDUNGSEINHEIT

Title (fr)

PROCÉDÉ UTILISANT UNE UNITÉ DE SÉPARATION MAGNÉTIQUE À GRADIENT ÉLEVÉ POUR SÉPARER DES ÉLÉMENTS CONTENANT DE L'ACIER D'UN FLUX DE SCORIES MÉTALLIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008123770A1] A process to separate steel-containing parts from a metal slag waste stream, comprising the following steps: - the feed of a metal slag waste stream generated during steel production, particularly stainless steel or tool steel production; - the dosed feed of the metal slag waste stream to a first high gradient magnet station, with the aid of a transport element; - the pulling-out of steel-containing parts from the waste stream, through the action of the magnetic field generated by the first high gradient magnet station; - the use of a breaking units to refine the steel-containing elements separated by the first high gradient magnet station, in a broken refined fraction, in which the steel-containing parts are at least partially freed of slag; - the separation of the broken refined fraction at least into a concentrate of steel-containing parts and a residual fraction.

IPC 8 full level

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