



Brevet canadien / Canadian Patent

Le commissaire aux brevets a reçu une demande de délivrance de brevet visant une invention. Ladite requête satisfait aux exigences de la *Loi sur les brevets*. Le titre et la description de l'invention figurent dans le mémoire descriptif, dont une copie fait partie intégrante du présent document.

Le présent brevet confère à son titulaire et à ses représentants légaux, pour une période expirant vingt ans à compter de la date du dépôt de la demande au Canada, le droit, la faculté et le privilège exclusif de fabriquer, construire, exploiter et vendre à d'autres, pour qu'ils l'exploitent, l'objet de l'invention, sauf jugement en l'espèce rendu par un tribunal compétent, et sous réserve du paiement des taxes périodiques.



The Commissioner of Patents has received a petition for the grant of a patent for an invention. The requirements of the *Patent Act* have been complied with. The title and a description of the invention are contained in the specification, a copy of which forms an integral part of this document.

The present patent grants to its owner and to the legal representatives of its owner, for a term which expires twenty years from the filing date of the application in Canada, the exclusive right, privilege and liberty of making, constructing and using the invention and selling it to others to be used, subject to adjudication before any court of competent jurisdiction, and subject to the payment of maintenance fees.

BREVET CANADIEN

2,867,736

CANADIAN PATENT

Date à laquelle le brevet a été accordé et délivré

2018/01/02

Date on which the patent was granted and issued

Date du dépôt de la demande

2013/03/13

Filing date of the application

Date à laquelle la demande est devenue accessible au public pour consultation

2013/09/26

Date on which the application was made available for public inspection

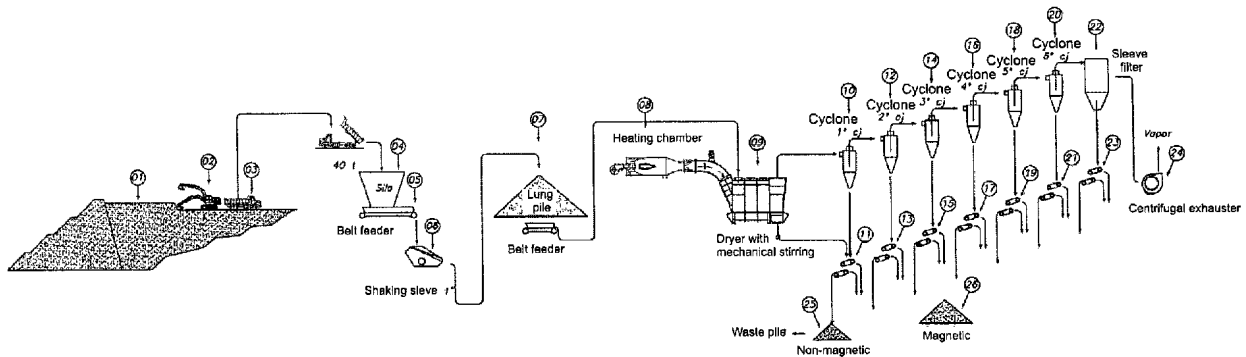
Commissaire aux brevets / Commissioner of Patents



(86) **Date de dépôt PCT/PCT Filing Date:** 2013/03/13
 (87) **Date publication PCT/PCT Publication Date:** 2013/09/26
 (45) **Date de délivrance/Issue Date:** 2018/01/02
 (85) **Entrée phase nationale/National Entry:** 2014/09/18
 (86) **N° demande PCT/PCT Application No.:** BR 2013/000075
 (87) **N° publication PCT/PCT Publication No.:** 2013/138889
 (30) **Priorité/Priority:** 2012/03/19 (BRBR102012008340-0)

(51) **Cl.Int./Int.Cl. B03C 1/247** (2006.01),
B03B 9/00 (2006.01), **B03C 1/10** (2006.01),
B03C 1/30 (2006.01)
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(54) **Titre : PROCÉDE ET SYSTÈME DE RECUPERATION PAR VOIE SECHE DE FINES ET DE SUPERFINES DE MINÉRAI DE FER ET UNITÉ DE SÉPARATION MAGNÉTIQUE**
 (54) **Title: A PROCESS AND SYSTEM FOR DRY RECOVERY OF FINE AND SUPERFINE-GRAINED PARTICLES OF OXIDIZED IRON ORE AND A MAGNETIC SEPARATION UNIT**



(57) **Abrégé/Abstract:**

The present invention refers to a system and method for the totally dry treatment of iron-ore wastes from previous mining operations, suitable for both the processing of ore wastes deposited in barrages and wastes stored in piles. The present invention solves the problems of magnetic separation processes that employ the wet and waste- dewatering way, eliminating the risks which throwing solid wastes into retention barrages bring by a system and method wherein the moisture degree of the ore is reduced by means of a mechanical stir dryer (using natural gas to prevent contamination), which is then sorted into various fractions and finally separated magnetically, with the important difference of being an entirely dry process.

