US009410218B2

(12) **United States Patent**
**Murao et al.**

(10) **Patent No.: US 9,410,218 B2**
(45) **Date of Patent: Aug. 9, 2016**

(54) **METHOD FOR OPERATING A BLAST FURNACE**

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( * ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 206 days.

(21) Appl. No.: **14/131,592**

(22) PCT Filed: **Jul. 11, 2012**

(86) PCT No.: **PCT/JP2012/004463**

§ 371 (c)(1),
(2), (4) Date: **Jan. 24, 2014**

(87) PCT Pub. No.: **WO2013/011661**

PCT Pub. Date: **Jan. 24, 2013**

(65) **Prior Publication Data**

US 2014/0131929 A1 May 15, 2014

(30) **Foreign Application Priority Data**

Jul. 15, 2011 (JP) ..... 2011-156956
Jul. 15, 2011 (JP) ..... 2011-156959

(51) **Int. Cl.**
***C21B 7/00*** (2006.01)
***C21B 5/00*** (2006.01)
***C21B 7/16*** (2006.01)

(52) **U.S. Cl.**
CPC . ***C21B 5/00*** (2013.01); ***C21B 5/003*** (2013.01); ***C21B 7/00*** (2013.01); ***C21B 7/163*** (2013.01)

(58) **Field of Classification Search**
CPC ..... C21B 5/003; C21B 7/163
USPC ..... 266/265, 268
See application file for complete search history.

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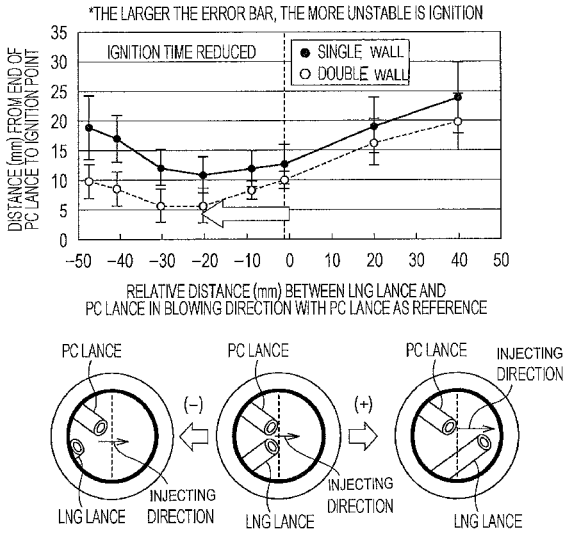
(57) **ABSTRACT**

A method of operating a blast furnace comprising two or more lances that inject reducing agents from a tuyere including injecting a solid reducing agent and a flammable reducing agent from different lances; and arranging a position of an end of the lance that injects the flammable reducing agent closer to a near side in a injecting direction by more than 0 to 50 mm than a position of an end of the lance that injects the solid reducing agent.

**16 Claims, 9 Drawing Sheets**