

Title (en)

Operation of a top-and-bottom blown converter and a lance used therefor.

Title (de)

Verfahren zum Betreiben eines Auf- und Durchblaskonverters und Lanze hierfür.

Title (fr)

Procédé d'opération pour un convertisseur à soufflage par le haut et par le fond et une lance à cette fin.

Publication

**EP 0070526 A1 19830126 (EN)**

Application

**EP 82106377 A 19820715**

Priority

JP 11200381 A 19810717

Abstract (en)

In the operation of a top-and-bottom blown converter top-blowing oxygen gas is blown such that the center of a hot spot created by the oxygen gas jet from each of the nozzles of a top-blowing multi-nozzle lance is positioned outside a bubbling region of the molten metal surface which rising bubbles of gas from bottom-blowing tuyeres reach.

IPC 1-7

**C21C 5/28**

IPC 8 full level

**C21C 5/46** (2006.01); **C21C 5/35** (2006.01)

CPC (source: EP)

**C21C 5/35** (2013.01)

Citation (search report)

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- [AP] WO 8201012 A1 19820401 - KAWASAKI STEEL CO [JP], et al
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- [A] PATENT ABSTRACTS OF JAPAN, Vol. 4, No. 101, 19 July 1980, page 161C19; & JP-A-55 065 313
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