

Title (en)
Pulp dispersion lance.

Title (de)
Lanze zur Pulpendispersion.

Title (fr)
Lance de dispersion de pulpe.

Publication
EP 0451046 A1 19911009 (FR)

Application
EP 91400891 A 19910402

Priority
FR 9004200 A 19900402

Abstract (en)
[origin: US5188296A] The lance of the invention includes a sleeve (2A) which conveys air under pressure around a central tube (1) which conveys the pulp that is to be sprayed and dispersed. The wall of this tube is pierced by separation holes (5) to inject a gaseous lining around the pulp, by break-up holes (3) for breaking up said pulp, and by rotation-imparting holes (4) in the vicinity of the outlet (1B) from the lance. The invention is particularly applicable to feeding a boiler with coal powder.

Abstract (fr)
La lance selon l'invention comporte un manchon (2A) qui conduit de l'air sous pression autour d'un tube central (1) qui conduit la pulpe qui doit être projetée et dispersée. La paroi de ce tube est percée de trous de décollement (5) pour injecter une gaine gazeuse autour de la pulpe, de trous de désagrégation (3) pour désagréger cette pulpe et de trous de mise en rotation (4) au voisinage de la sortie (1B) de la lance. L'invention s'applique notamment à l'alimentation d'une chaudière en poudre de charbon.

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B05B 7/10; F23C 11/02

IPC 8 full level
B05B 7/04 (2006.01); **B05B 7/06** (2006.01); **B05B 7/10** (2006.01); **F23C 10/22** (2006.01)

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B05B 7/0458 (2013.01 - EP US); **B05B 7/066** (2013.01 - EP US); **B05B 7/10** (2013.01 - EP US); **F23C 10/22** (2013.01 - EP US)

Citation (search report)
• [X] US 3897007 A 19750729 - ROY JOSEPH G
• [X] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 257, (M-513)[2313], 3 septembre 1986; & JP-A-61 083 817 (BABCOCK HITACHI K.K.) 28-04-1986

Cited by
DE9111224U1; WO2020012043A1

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