Title (en)

WATER JET BLOWER AND METHOD OF OPERATING THE WATER JET BLOWER

Title (de)

WASSERLANZENBLÄSER UND VERFAHREN ZUM BETREIBEN DES WASSERLANZENBLÄSERS

Title (fr)

SOUFFLANTE POUR LANCE A EAU ET PROCEDE POUR OPERER LA SOUFFLANTE POUR LANCE A EAU

Publication

EP 0828985 B2 20041006 (DE)

Application

EP 96916172 A 19960530

Priority

- DE 19519780 A 19950530
- EP 9602325 W 19960530

Abstract (en)

[origin: WO9638703A1] A water jet blower for cleaning thermal installations has a water lance (6) movably arranged (5) with its mouth on or in a hatch (2). The water lance (6) can project a water jet on the wall areas that can be reached from the hatch (2) through the thermal installation in operation filled with flames and/or smoke gas. The water jet blower may be moved by at least one moving element (8.1, 8.2, 8.3) joined at one end to the water jet blower and at the other end directly joined to the thermal installation. Displacement sensors are provided to accurately determine the position of the water lance (6). Preferably three moving elements (8.1, 8.2, 8.3) are used whose attachment points (9.1, 9.2, 9.3) form with the point of displacement (5) of the water lance (6) in particular angles from approximately 80 DEG to 140 DEG . This water jet blower may be used even in unfavourable conditions, as far as the space available is concerned, and can project any desired, predeterminable patterns with various speed profiles.

IPC 1-7

F28G 3/16; F23J 3/00

IPC 8 full level

F23J 3/00 (2006.01); **F28G 3/16** (2006.01)

CPC (source: EP)

F23J 3/00 (2013.01); **F28G 3/16** (2013.01); **F28G 3/166** (2013.01)

Citation (opposition)

Opponent :

- DD 235102 A1 19860423 - ORGREB INST KRAFTWERKE [DD]
- DD 153426 A1 19820106 - BUDE FRIEDRICH, et al
- DD 281452 A5 19900808 - ORGREB INST KRAFTWERKE [DD]
- DD 281468 A
- DD 145475 A3 19801217 - WEISER BERND, et al
- DE 2411133 A1 19751009 - BABCOCK & WILCOX AG

Cited by

DE102007062449A1

Designated contracting state (EPC)

DE DK ES FR GB

DOCDB simple family (publication)

WO 9638703 A1 19961205; AU 5902596 A 19961218; AU 6003396 A 19961218; CN 1124469 C 20031015; CN 1131992 C 20031224; CN 1186547 A 19980701; CN 1186548 A 19980701; DE 59608453 D1 20020124; DE 59608847 D1 20020411; EP 0828985 A1 19980318; EP 0828985 B1 20011212; EP 0828985 B2 20041006; EP 0828986 A1 19980318; EP 0828986 B1 20020306; WO 9638701 A1 19961205

DOCDB simple family (application)

EP 9602325 W 19960530; AU 5902596 A 19960530; AU 6003396 A 19960530; CN 96194335 A 19960530; CN 96194336 A 19960530; DE 59608453 T 19960530; DE 59608847 T 19960530; EP 9602323 W 19960530; EP 96916172 A 19960530; EP 96917467 A 19960530