

Title (en)
WATER JET BLAST WITH SHORTENED WATER LANCE

Title (de)
WASSERLANZENBLÄSER MIT VERKÜRZTER WASSERLANZE

Title (fr)
SOUFFLEUR A EAU A LANCE RACCOURCIE

Publication
EP 0828987 B1 20030723 (DE)

Application
EP 96920752 A 19960530

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• EP 9602326 W 19960530

Abstract (en)
[origin: WO9638704A1] A water jet blast 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. In order to shorten the water lance (6), the water supply (11, 10) is bent one or several times by a total of more than 70 DEG , in particular more than 90 DEG (20, 24; 39). An enlarged stabilising volume (20, 39), in particular an approximately spherical volume (20), arranged at the end of the water lance (6) outside the thermal installation allows a more homogeneous flow profile to be obtained, so that the jet quality of the water lance is not affected. The shorter water lance may be used with simpler driving mechanisms and fits in narrow spaces.

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