

Title (en)

Suction chamber for a water beam for jet impact on textiles

Title (de)

Absaugkammer für einen Wasserbalken zur Strahlbeaufschlagung von Geweben

Title (fr)

Chambre d'aspiration pour une rampe d'eau destinée à traiter des tissus par rayonnement

Publication

**EP 1873290 A3 20090812 (DE)**

Application

**EP 07010426 A 20070525**

Priority

DE 102006030804 A 20060630

Abstract (en)

[origin: EP1873290A2] A suction chamber (5a) for a water beam (1a), having a perforated suction surface (3a, 3b) for removal of sprayed water at the lower side (5b) of the chamber, includes an air supply device (11a), which is associated with the beam and/or the chamber, has outlet opening(s) (11c) in the beam region, feeds air to the water jet (10) and has a blower to generate excess pressure.

IPC 8 full level

**D04H 3/10** (2012.01)

CPC (source: EP US)

**D04H 3/10** (2013.01 - EP US); **D04H 18/04** (2013.01 - EP US)

Citation (search report)

- [XD] WO 0140562 A1 20010607 - RIETER PERFOJET [FR], et al
- [A] JP H0617358 A 19940125 - MITSUBISHI RAYON ENG

Cited by

WO2021170609A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1873290 A2 20080102**; **EP 1873290 A3 20090812**; **EP 1873290 B1 20130710**; CN 101096804 A 20080102; CN 101096804 B 20100602; ES 2429900 T3 20131118; JP 2008013906 A 20080124; JP 5258214 B2 20130807; PL 1873290 T3 20131231; US 2008006310 A1 20080110

DOCDB simple family (application)

**EP 07010426 A 20070525**; CN 200710126970 A 20070702; ES 07010426 T 20070525; JP 2007168333 A 20070627; PL 07010426 T 20070525; US 82477707 A 20070702