

Title (en)
DEVICE FOR DISPENSING FLUID JETS WITHOUT ANY ROTATING JOINT

Title (de)
VORRICHTUNG ZUR AUSGABE VON FLÜSSIGKEITSSTRAHLEN OHNE DREHKUPPLUNG

Title (fr)
DISPOSITIF DE DISTRIBUTION DE JETS DE FLUIDE SANS JOINT TOURNANT

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Application
EP 10745314 A 20100624

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Abstract (en)
[origin: WO2011010030A1] The invention relates to a device for dispensing one or more fluid jets (6), including a fluid intake pipe (7), supplying fluid to one or more fluid dispensing nozzles (5) arranged at the downstream end of said pipe (7), and a motor (1) cooperating with the fluid intake pipe (7) by means of a rotary transmission axle (2) and a transmission mechanism (4a, 4b). The fluid intake pipe (7) includes an upstream portion (7a) with a first axis (XX) and a downstream portion (7b) with a second axis (YY), the first and second axes (XX, YY) forming an angle (a) of 5 to 50° therebetween. The downstream portion (7b) with the second axis (YY), having the downstream end of the pipe (7) with the fluid dispensing nozzle(s) and the transmission mechanism (4a, 4b), includes a means for moving said downstream pipe portion (7b) so as to impart a predetermined movement thereto. The invention also relates to a method for surface treating, stripping, or peeling a material by means of high-pressure fluid, wherein such device is implemented to dispense, by means of one or more nozzles, a fluid in the form of one or more fluid jets at a pressure of at least 1500 bar, preferably between 2000 and 5000 bar.

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