

Title (en)
CENTRIFUGAL ATOMIZER

Title (de)
ZENTRIFUGALZERSTÄUBER

Title (fr)
ATOMISEUR CENTRIFUGE

Publication
EP 1159075 A1 20011205 (EN)

Application
EP 00909066 A 20000310

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Abstract (en)
[origin: WO0053333A1] A centrifugal atomizer comprises an atomizer wheel (29) mounted on a driven shaft (28) and defining an acceleration chamber (35), where liquid is fed in said acceleration chamber through a stationary, annular distribution member (30) and a corresponding annular opening (27) in the atomizer wheel. The liquid is ejected in form of a spray from the atomizer wheel (29) through openings (16) distributed in circumferential direction. A sealing means is associated with passages (36, 37) provided between the distribution members (30) and the respective sides of the corresponding opening (27) in the atomizer wheel (29). The sealing means comprises a stationary, circumferential and projecting rib (40, 41), which projects radially inwards into a quantity of a sealing liquid in an annular groove (38, 39). The annular groove is adapted to rotate together with the atomizer wheel (29), means being provided for feeding said groove with sealing liquid and removing said sealing liquid again, respectively, during operation.

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