Title (en)
  NOZZLE ARRANGEMENT

Title (de)
  DÜSENANORDNUNG

Title (fr)
  ENSEMBLE BUSE

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Application
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Abstract (en)
  [origin: WO2014019563A1] The invention relates to a nozzle arrangement for atomising a fluid flow into fine particles, said fluid flow being delivered under pressure, comprising: a conical element (10) having a top face (12), a bottom face (14) and an outer face (16) that adjoins the top and the bottom face, wherein the outer face has a plurality of grooves (18a, 18b, 18c, 18d) formed therein that extend between the bottom face and the top face; and a counter-element (20) provided with an opening, the counter-element being designed to receive the conical element and having an inner face such that the grooves are at least partially covered by said inner face in order to form a plurality of channels. The channels define outlets, each of which is able to let out a jet of fluid that comes into contact with at least one other jet of fluid in a region spaced apart from the top face of the conical element, in order to atomise the fluid flow, and wherein the conical element can be moved along the axis in order to increase or decrease the effective cross-section of the nozzle arrangement.

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