

Title (en)
METHOD OF DRILLING AND JET DRILLING SYSTEM

Title (de)
BOHRVERFAHREN UND STRAHLBOHRSYSTEM

Title (fr)
PROCÉDÉ DE FORAGE ET SYSTÈME DE FORAGE HYDRODYNAMIQUE

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Application
EP 10798559 A 20101222

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Abstract (en)
[origin: WO2011076845A1] Method of drilling, comprising providing a drill string (1) in a borehole (2), the drill string comprising an abrasive jet drill head (16) including a jet nozzle (18), the drill string providing a passageway (20) for fluid to the jet nozzle; supplying a supply fluid mixture via the drill string to the abrasive jet drill head comprising a supply concentration of abrasive particles; generating an abrasive jet (19) of a jetting fluid mixture comprising a jetting concentration of abrasive particles at the jet nozzle, so as to blast with an erosive power on an impingement area of the borehole, wherein the jetting concentration depends on the supply concentration; and modulating (14) the jetting concentration of the abrasive particles; wherein the supply concentration of abrasive particles in the supply fluid mixture is modulated in order to modulate the jetting concentration in the abrasive jet.

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