

Title (en)
CORE CUTTER HEAD

Title (de)
KERNKRONE

Title (fr)
COURONNE DE CAROTTIER

Publication
EP 0599954 B1 19971217 (FR)

Application
EP 92917979 A 19920828

Priority
• BE 9100800 A 19910828
• BE 9200035 W 19920828

Abstract (en)
[origin: WO9305264A1] A core cutter head, particularly for core drilling to assess a reservoir, comprising: a body (5) which is rotatable around a rotational axis (6); blades (8) provided on the body (5) at least at the front thereof; two or more cutters (10) distributed along each blade (8) and each having a cutting edge (12), wherein the cutting edges (12) are arranged together within an imaginary housing placed around a core (4) to be extracted; and nozzles (13) providing a liquid jet and extending to the front of the body (5). At least one of the nozzles (13) has an outlet (15) for deflecting the liquid jet substantially obliquely forwards relative to the rotational axis (6) and away from the core, preferably at an angle greater than 45 DEG , and advantageously greater than 50 DEG .

IPC 1-7
E21B 10/02; **E21B 10/60**

IPC 8 full level
E21B 10/02 (2006.01); **E21B 10/60** (2006.01)

CPC (source: EP US)
E21B 10/02 (2013.01 - EP US); **E21B 10/605** (2013.01 - EP US)

Cited by
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DOCDB simple family (publication)
WO 9305264 A1 19930318; BE 1005201 A4 19930525; CA 2115543 A1 19930318; CA 2115543 C 20021126; DE 69223631 D1 19980129; DE 69223631 T2 19980520; EP 0599954 A1 19940608; EP 0599954 B1 19971217; NO 306571 B1 19991122; NO 940611 D0 19940223; NO 940611 L 19940223; RU 2078899 C1 19970510; US 5460230 A 19951024

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