

A B S T R A C T

UNIT FOR TREATING A DRILLING MUD AND CORRESPONDING METHOD

5 A drilling mud treatment unit (100) comprises a
primary duct (10) for feeding coagulated drilling mud, an
in-line flocculation system (20) for flocculating the
coagulated drilling mud flowing in the primary duct (10),
and at least one hydrocyclone (30) fed by the primary
10 duct (10) and arranged downstream from the flocculation
system (20). The hydrocyclone (30) has an overflow
orifice (32) for receiving a liquid product resulting
from treatment of the drilling mud and an underflow
orifice (34) for receiving a solid product resulting from
15 treatment of the drilling mud. The overflow orifice (32)
presents an overflow diameter (D_o) and the underflow
orifice presents an underflow diameter (D_u), and the
underflow diameter (D_u) is greater than 1.1 times the
overflow diameter (D_o).

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Figure 1