

Title (en)
Cooled stirring arrangement.

Title (de)
Gekühlte Rührwerkzeuganordnung.

Title (fr)
Arrangement pour agitateur refroidissable.

Publication
EP 0045498 A1 19820210 (DE)

Application
EP 81106030 A 19810731

Priority
DE 3029528 A 19800804

Abstract (en)
1. Cooled stirrer tool arrangement in agitator ball mills with rod-like, hollow stirrer tools projecting from the rotor and/or the stator into the milling chamber, with the elongate hollow cavity of the stirrer tools extending up to a coolant passage through which a coolant flows and which is arranged in the rotor or stator, characterized in that wall means (14') are arranged in the hollow cavity (13) which, together with the wall of the stirrer tool (18), subdivide the hollow cavity (13) in the longitudinal direction into a coolant supply part (13') and at least one coolant removal part (13'') which extend not quite up to the outer end of the stirrer tool (18), and which are connected to a wall part (9) which likewise subdivides the coolant passage (12).

Abstract (de)
Eine gekühlte Rührwerkzeuganordnung bei Rührwerksmühlen weist vom Rotor (17) und/oder Stator in den Mahlraum (11) vorstehende hohle Rührwerkzeuge (18) auf. Der Hohlraum (13) erstreckt sich bis zu einem im Rotor bzw. Stator angeordneten, von einem Kühlmittel durchströmten Kühlkanal. Um den Kühlwirkungsgrad zu erhöhen, sind in dem Hohlraum (13) Mittel (14, 14') zur Vergrößerung des Wärmeabtransports zu dem Kühlkanal (12) vorgesehen.

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IPC 8 full level
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CPC (source: EP)
B02C 17/16 (2013.01)

Citation (search report)
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