

Title (en)
ROTOR BRAKE FOR A SPINNING ROTOR

Title (de)
ROTORBREMSE FÜR EINEN SPINNROTOR

Title (fr)
FREIN POUR ROTOR DE FILAGE

Publication
EP 1771609 A1 20070411 (DE)

Application
EP 05731240 A 20050414

Priority
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Abstract (en)
[origin: WO2006007887A1] The rotor shaft of the spinning rotor of a rotor spinning frame is directly mounted in a rotor housing and can be braked down to standstill by means of a rotor brake that is configured as a shoe brake acting upon the rotor shaft. The spinning chamber surrounding the rotor cup of the spinning rotor is closed during spinning by means of a lid element articulated to the rotor housing. A detent latch (23) is mounted on the rotor housing so as to be swiveled and is articulated to a brake lever (26) carrying the brake lining (27) of the rotor brake (22). During spinning, the brake lining (27) is not in contact with the rotor shaft. When the spinning chamber is opened, the lid element and the rotor housing are swiveled simultaneously due to their articulated connection. The movement of the rotor housing is limited by a stop against a frame part of the rotor spinning frame. In the stop position, the brake line (27) of the brake lever (26) is pressed against the rotor shaft by means of a spring element. The inventive rotor brake (22) allows to avoid a sudden overload of the bearing of the spinning rotor.

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See references of WO 2006007887A1

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