

Title (en)

Process for cutting stone blocks in stone quarries, and machine using the method

Title (de)

Verfahren zum Schneiden von Steinblöcken in Steinbrüchen, und Maschine zur Durchführung des Verfahrens

Title (fr)

Procédé pour couper des blocs de pierre en carrières et machine mettant en oeuvre ce procédé

Publication

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Application

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Priority

IT TO20000326 A 20000406

Abstract (en)

According to the invention: a diamond wire cutting machine (M) is provided, with a structure essentially in the form of a gantry, astride a block (B) to be cut; the said cutting machine (M) is freely movable under its own power and advances in a step-by-step sequence along the said block (B); at each step, and with the machine (M) stationary, a diamond cutting wire wound in a closed loop around a plurality of pulleys supported by the gantry structure of the machine (M) is made to run in an essentially vertical plane, engaging the block (B) from above with its lower run, and makes a through cut in the block (B), forming a corresponding "slice" (S) from it; subsequently, in order to cut each "slice" (S), the cutting machine (M) is positioned astride the "slice" and is made to operate according to the same cutting sequence as that described above, to cut the "slice" (S) into a plurality of essentially parallelepipedal pieces. <IMAGE>

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Cited by

CN109531831A; CN114670351A; CN109465976A; CN110271104A; IT202000020623A1; CN115816664A; ES2284363A1; AT524718A1; WO2015199565A1

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