

Title (en)

An apparatus for cutting and splitting of tree trunk such as log

Title (de)

Vorrichtung zum Trennen und Spalten von Baumstämmen

Title (fr)

Dispositif de tronçonnage et fendage de troncs

Publication

EP 2789437 A1 20141015 (EN)

Application

EP 13163057 A 20130410

Priority

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Abstract (en)

The invention relates to an apparatus (1) for cutting and splitting a tree trunk (P1) such as a log, said apparatus comprising a cutting saw provided with a frame (30) performing a reciprocating motion relative to the tree trunk (P), a stationary splitting blade (5), as well as a conveyor (7) for bringing the tree trunk in a lengthwise direction to a position below the cutting saw, and a pusher (72b) functionally linked with the conveyor (7) for carrying cut blocks of tree trunk (P1) onwards to the splitting blade (5), such that each cut block of tree trunk (P1) is pushed by means of the pusher (72b) towards the splitting blade (5) for splitting the blocks of wood in a lengthwise direction. The cutting saw is a bandsaw (3), which is surrounded by an enclosure (2) and which bandsaw has its frame (30) mounted in a vertically movable manner above the conveyor (7), such that the bandsaw has at least a cutting part (35a) of its blade (35) pointing in a direction transverse relative to a conveying direction of the tree trunk (P) traveling on the conveyor. When the frame of the bandsaw (3) is on its way from its top position (C) towards its bottom position (D), the conveyor (7) or a section of the conveyor presently below the bandsaw (3) is concurrently set in a standstill condition for cutting the tree trunk (P) with the blade (35) of the bandsaw (3) in a direction transverse relative to its conveying direction.

IPC 8 full level

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Citation (search report)

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WO2022107266A1

Designated contracting state (EPC)

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