

Title (en)

Improved sector knife and driving shaft arrangement, particularly for crushing apparatus and the like.

Title (de)

Sektormesser und Wellenantriebseinrichtung, insbesondere für Zerkleinerungsmaschinen und dergleichen.

Title (fr)

Lame en forme de secteur et disposition d'arbre d'entraînement perfectionnée en particulier pour des appareils déchiqueteurs et semblables.

Publication

EP 0093223 A1 19831109 (EN)

Application

EP 82830116 A 19820429

Priority

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Abstract (en)

The sector knife and driving shaft arrangement comprises a knife consisting of a plurality of cutting sectors (1, 1 min , 1 sec), a plurality of spacing sectors (2) and a locking sector (3), the cutting (1) and spacing sectors (2) being provided with restraining elements, consisting of male and female dovetail shaped members respectively, while the driving shaft is provided with circumferential slots (8) including mating restraining elements extending all along the circumference with the exception of the circle arc (10) subtended by the locking sector (B). This circle arc, devoid of any restraining elements, is effective to provide a zone for introducing the cutting (1, 1 min , 1 sec) and spacing sectors (2) into the related slot therein into the locking sector (3) will be introduced for geometrically locking all of the sectors and fixed to the driving shaft by known fixing means, (4, 5).

IPC 1-7

B02C 18/18

IPC 8 full level

B02C 18/18 (2006.01)

CPC (source: EP)

B02C 18/182 (2013.01)

Citation (search report)

- [A] EP 0006261 A1 19800109 - BEMA ENG SA
- [A] FR 2257346 A1 19750808 - BAIKOFF EUGENE [CH]
- [A] GB 2024655 A 19800116 - METAL BOX CO LTD
- [A] US 1750941 A 19300318 - FRANK PARDEE

Cited by

EP0401620A1; DE3918657A1; FR2537830A1; EP0184557A3; FR2574001A1; EP0634093A1; DE4323214A1; EP0503198A1; US5680999A; WO8402252A1

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