

Title (en)

Roller for transporting hot objects.

Title (de)

Transportrolle für beheizte Waren.

Title (fr)

Rouleau pour le transport d'articles chauds.

Publication

EP 0397231 A1 19901114 (EN)

Application

EP 90201022 A 19900424

Priority

NL 8901148 A 19890508

Abstract (en)

A roller for transporting hot objects, comprises a cylindrical steel core (2) and on the core a plurality of annular elements (3) for contacting the hot objects which elements are slidable axially along the core and each comprise a refractory filling (10) and an outer hard surface material (9). To prevent tensile stresses and provide long life, the outer hard surface material is a jacket (4) of an industrial ceramic material and between each adjacent pair of the annular elements (3) there are means on the core (2) for maintaining the elements spaced apart in the form of at least one annular disc (12) of diameter less than the elements (3).

IPC 1-7

C03B 35/18; **F27D 3/02**

IPC 8 full level

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CPC (source: EP)

F27D 1/141 (2013.01); **F27D 3/026** (2013.01)

Citation (search report)

- [AD] DE 966177 C 19570711 - GAS MACHINERY CO
- [AD] FR 1462443 A 19660415 - APPLIC THERMIQUES ET IND
- [AD] FR 793942 A 19360204 - SAINT GOBAIN
- [A] US 3077058 A 19630212 - HENSEL WALTER C
- [A] US 3860387 A 19750114 - BRICMONT FRANCIS H

Cited by

EP0982555A1; EP0633815A4; US5824166A; US5983675A; DE19923114A1; DE19923114C2; WO9316343A1; DE102017208710A1; WO2018059940A1; TWI505998B

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