

Title (en)
A HORIZONTAL SHAFT IMPACT CRUSHER

Title (de)
PRALLBRECHER MIT HORIZONTALER WELLE

Title (fr)
CONCASSEUR À PERCUSSION À ARBRE HORIZONTAL

Publication
EP 4344780 A1 20240403 (EN)

Application
EP 22199073 A 20220930

Priority
EP 22199073 A 20220930

Abstract (en)
A horizontal shaft impact crusher (10) comprising a crusher housing (15) having an inlet (30) for material to be crushed, an outlet (40) for material that has been crushed, an impeller (50) mounted on a horizontal shaft (60) in the crusher housing (15) and being operative for rotating around a horizontal axis, a curtain (70,80), against which material accelerated by the impeller (50) may be crushed, pivotably mounted on a pivot shaft (90,100) between first and second pivot points (110,120,130,140) either side of the housing (15) defining a curtain shaft pivot point axis (150,160), and an impact relief system (20) for relieving impact loads on the curtain (70,80) in which the impact relief system (20) comprises a shock absorber (170) configured to be in proximity with the curtain shaft pivot point axis (150,160).

IPC 8 full level
B02C 13/09 (2006.01)

CPC (source: EP)
B02C 13/095 (2013.01)

Citation (search report)

- [XA] CN 113617463 A 20211109 - ZHEJIANG MINE MACHINERY CO LTD, et al
- [XA] US 2022203374 A1 20220630 - ADCOCK JARED [US], et al
- [XA] EP 1240946 A2 20020918 - HAZEMAG & EPR GMBH [DE]
- [XA] GB 2455203 A 20090603 - TEREX PEGSON LTD [GB]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

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