

Title (en)
Grapples.

Title (de)
Greifer.

Title (fr)
Grappins.

Publication
EP 0471588 A1 19920219 (EN)

Application
EP 91307588 A 19910816

Priority
GB 9018018 A 19900816

Abstract (en)
A grapple for internally grappling a tubular article [12] comprises an elongate member [14] being mounted within an intermediate member [16] and provided with clutch [42, 46] means for rotation therein. The intermediate member [16] is disposed within an outer body [18] by virtue of key members [52] extending into L shaped slots [48] on the outer body and having tapered means [32] arranged to cooperate with engagement dogs [60] extending through said outer body selectively to bias said engagement dogs [60] outwardly for engagement with said tubular article [12].
<IMAGE>

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E21B 31/20

IPC 8 full level
E21B 29/12 (2006.01); **E21B 31/16** (2006.01); **E21B 31/20** (2006.01)

CPC (source: EP)
E21B 29/12 (2013.01); **E21B 31/16** (2013.01); **E21B 31/20** (2013.01)

Citation (search report)
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