

Title (en)  
Shield machine

Title (de)  
Schildvortriebsmaschine

Title (fr)  
Machine à bouclier

Publication  
**EP 1959093 A3 20110504 (EN)**

Application  
**EP 08250521 A 20080213**

Priority  
JP 2007036154 A 20070216

Abstract (en)  
[origin: EP1959093A2] A shield machine according to the present invention includes: a body (1) having an oval cross section; a circular plate member (17) mounted on a front end-side portion of a shield machine main body (3); a first rotating mechanism (18) which rotates the circular plate member (17); a pair of pivot arms (19) which are rotatably supported by the circular plate member (17); a pair of second rotating mechanisms (20) which rotate the pair of pivot arms (19); a pair of head supporting members (19a) which are firmly fixed to tip end portions of the pivot arms (19); a pair of rotary cutter heads (4) which are rotatably mounted on the head supporting members (19a) and each of which has a diameter that is half a short diameter of the oval cross section of the body; and a pair of third rotating mechanisms (21) which rotate the rotary cutter heads (4) around third center axes.

IPC 8 full level  
**E21D 9/11** (2006.01)

CPC (source: EP)  
**E21D 9/117** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
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AL BA MK RS

DOCDB simple family (publication)  
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