

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Classification of the application (IPC): C25C 3/06, C25C 3/20

Technical fields searched (IPC): C25C

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
X Y A	US 4786379 A (BARNETT WRAY M [US]) 22 November 1988 (1988-11-22) * the whole document *	1-6, 8-15 1, 2, 6, 10-15 7			
Y	US 6136177 A (HUNG OLIVER K [CA]) 24 October 2000 (2000-10-24) * column 2, line 46 - column 5, line 35; claims 1-19; figures 1, 7, 8 *	1, 2, 6, 10-15			
X Y	US 4098666 A (RALSTON RICHARD W) 04 July 1978 (1978-07-04) * claims 1-4; figures 1, 2; example 2 *	1 1, 2, 6, 10-15			
A	CN 202502144 U (YANSHAN UNIVERSITY) 24 October 2012 (2012-10-24) * claims 1-5; figure 1 *	1-15			
A	US 2006176175 A1 (EVANS JAMES W [US] ET AL) 10 August 2006 (2006-08-10) * paragraph [0058] - paragraph [0071]; figures 1, 3 * * paragraph [0019] - paragraph [0039]; claims 1-48 *	1-15			
A	CA 2834292 A1 (CHINA ALUMINUM INT ENG CORP [CN]) 01 November 2012 (2012-11-01) * claims 1-6 *	1-15			

The supplementary search report has been based on the last set of claims valid and available at the start of the search

Place of search Munich	Date of completion of the search 25 September 2019	_{Examiner} Teppo, Kirsi-Marja						
CATEGORY OF CITED DOCUMENTS								
X: particularly relefant if taken alone Y : particularly relefant if combined with another document of the same category	P: intermediate docume T: theory or principle u E: earlier patent docum							

& : member of the same patent family, corresponding document

- D: document cited in the application
- L: document cited for other reasons

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EP 3 417 094 A4



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number: EP 17 75 27 50

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 25-09-2019 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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For more details about this annex: see Official Journal of the European Patent Office, No. 12/82

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