

Title (en)  
A SOLID DETERGENT CLEANING COMPOSITION

Title (de)  
FESTE REINIGUNGSMITTELZUSAMMENSETZUNG

Title (fr)  
COMPOSITION DE NETTOYAGE DE DÉTERGENT SOLIDE

Publication  
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Application  
**EP 22196816 A 20220921**

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Abstract (en)  
The present invention relates to a solid detergent cleaning composition comprising coloured fabric hueing dye agent particles and a detergent ingredient. The coloured fabric hueing dye agent particles comprise (a) from 6.0wt% to 10wt% by weight thereof of the fabric hueing dye agent and (b) a water-soluble inorganic salt, wherein the coloured fabric hueing dye agent particles have an envelope density of at least 1.9 g/cm<sup>3</sup> as measured by Geopyc method. The coloured fabric hueing dye agent particles show reduced staining and bleeding of the fabric hueing dye agent.

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Citation (applicant)  
• WO 2008007320 A2 20080117 - PROCTER & GAMBLE [US], et al  
• WO 2009154933 A2 20091223 - PROCTER & GAMBLE [US], et al  
• US 5352604 A 19941004 - WILSON CHARLES R [US], et al  
• WO 2011140316 A1 20111110 - PROCTER & GAMBLE [US], et al  
• WO 2011072117 A1 20110616 - PROCTER & GAMBLE [US], et al  
• WO 2006002643 A2 20060112 - NOVOZYMES AS [DK], et al  
• WO 2007144857 A1 20071221 - PROCTER & GAMBLE [US], et al  
• WO 2010056652 A1 20100520 - PROCTER & GAMBLE [US], et al  
• WO 2006090335 A1 20060831 - PROCTER & GAMBLE [US], et al  
• WO 2013116261 A2 20130808 - PROCTER & GAMBLE [US]  
• WO 2013171241 A1 20131121 - NOVOZYMES AS [DK]  
• WO 2011084412 A1 20110714 - DANISCO US INC [US], et al  
• WO 2013033318 A1 20130307 - DANISCO US INC [US], et al  
• WO 2014089386 A1 20140612 - PROCTER & GAMBLE [US]  
• WO 2009069077 A2 20090604 - PROCTER & GAMBLE [US], et al  
• WO 2012054835 A1 20120426 - PROCTER & GAMBLE [US], et al  
• WO 2008087497 A1 20080724 - PROCTER & GAMBLE [US], et al  
• WO 2012166768 A1 20121206 - PROCTER & GAMBLE [US], et al  
• WO 2009101593 A2 20090820 - PROCTER & GAMBLE [US], et al  
• WO 2005075616 A1 20050818 - PROCTER & GAMBLE [US], et al  
• WO 2009158162 A1 20091230 - PROCTER & GAMBLE [US], et al  
• WO 2009158449 A1 20091230 - PROCTER & GAMBLE [US], et al  
• WO 2013181205 A1 20131205 - PROCTER & GAMBLE [US]  
• WO 2012134969 A1 20121004 - PROCTER & GAMBLE [US], et al

Citation (search report)  
• [X] WO 2011020991 A1 20110224 - BRUNNER MOND UK LTD [GB], et al  
• [X] GB 1546139 A 19790516 - PROCTER & GAMBLE  
• [A] EP 2166077 A1 20100324 - PROCTER & GAMBLE [US]  
• [A] WO 2011149870 A1 20111201 - MILLIKEN & CO [US], et al  
• [A] WO 2019192813 A1 20191010 - UNILEVER NV [NL], et al

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