

Title (en)
BAG-IN-BOX

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Application
EP 88300677 A 19880127

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Abstract (en)
[origin: EP0276994A2] A bag-in-box (6) having at least two bags (8, 9) housed in an external box (7). The two bags (8, 9) comprises first and second bags each formed of sheet-like material and flexible. The first bag (8) serves as a container for containing a content therein and the second bag (9) serves as a pressing member expandable upon injection of pressurized fluid thereinto to compress the first bag (8). The first bag (8) is separated from the second bag (9) and is stacked thereon in the external box (7). Alternatively, one of the first and second bags is positioned inside the remaining one of the second and first bag. Each of the first and second bags (8, 9) has tubular shape both ends of which are fuse-bonded. Gusset type bag is also available as the first and second bags (8, 9).

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IPC 8 full level
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Citation (examination)
• GB 951437 A 19640304 - DALE PRODUCTS PLASTICS LTD
• FR 2367672 A1 19780512 - WAVIN BV [NL], et al
• GB 2100357 A 19821222 - GEN FOODS LTD
• FR 1470658 A 19670224 - FISHER & LUDLOW LTD
• DE 1786047 A1 19711111 - NEEMANN MECHANISCHE PAPIERWARE

Cited by
US11925599B2; ES2329213A1; EP1201598A1; US6058954A; CN113993810A; EP3990381A4; GB2309265A; GB2309265B; BE1007241A3; US5205440A; GB2309267A; GB2309267B; US5366117A; GB2268231A; US5183086A; US5694991A; EP0675072A1; DE4410745A1; US5100033A; US5752124A; GB2300411A; GB2300411B; US5489037A; EP1127807A1; US5433345A; US5551600A; US5769273A; US5096092A; EP3266726A1; CN109866998A; US5720383A; CN103228555A; EP2627582A4; CN106915550A; GB2295373A; FR2727092A1; GB2295373B; EP3266727A1; US11180280B2; US9650169B2; US11654084B2; US10822162B2; WO0144072A1; WO2020257873A1; WO2008058106A3; WO2018113980A1; WO2018007267A1; WO2012071376A3; US8038039B2; US9637300B2; US6789707B2; US7137538B2; US7984845B2; US8186569B2; WO2006068586A1; WO9011963A1; WO2018007265A1; US8052012B2; US8141755B2; US8191740B2; US10544028B2

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